





*Bot.
Flora*

ICONOGRAPHY

OF

AUSTRALIAN SPECIES OF ACACIA

AND

COGNATE GENERA,

BY

BARON FERD. VON MUELLER, K.C.M.G., M. & PH.D., F.R.S.,

GOVERNMENT BOTANIST OF THE COLONY OF VICTORIA.

"SED GAUDEBITIS ET EXULTABITIS USQUE AD SEMPERNUN IN IIS, QUÆ DEUS CREABAT."—*Prophetia Isaiae*, lxxv. 18.

FIRST DECADE.

BY AUTHORITY:

JOHN FERRES, GOVERNMENT PRINTER, MELBOURNE.

1887.

~~1639~~

INTRODUCTION.

THROUGH the liberality of the Victorian Government it became possible, to prepare in the Phytologic Department of Melbourne successively several volumes, illustrative of some portions of the Australian Flora. Thus in earlier years appeared a series of lithograms in elucidation mainly of orders and genera of Victorian plants; in later years an almost complete iconography of the Eucalypts of Australia became elaborated, and this was followed quite recently by an Atlas of Myoporinous plants. In a desire of continuing these pictorial issues it was deemed best, to devote the next volume to those native species of Acacia, of which hitherto no drawings had appeared anywhere. As the genus Acacia is by far the largest in the Flora of this part of the globe, numbering more than 300 well-marked specific forms, hardly one-third of them hitherto illustrated anywhere, much difficulty was experienced by horticulturists and artisans, here as well as abroad, to identify with systematic accuracy any particular kinds of these plants, either cultivated for ornamental purposes or drawn into use for technic objects, so that a work like the present one seemed specially called for. Moreover it appeared likely, that by offering additional means for naming any of the numerous Acacias of ours now known, they might become restored in European Conservatories to that favor, which they enjoyed so much in the earlier part of this century, when they were largely reared as the first harbingers of the spring, and were the objects of much admiration and delight for the profuseness of their flowering or for the oddity of their fantastic foliage. Since then various of the arborescent Acacias of Australia have attracted forestral attention very widely also in countries with mild climes on account of the celerity of their growth, or the technic importance of their wood, or the great value of their bark for the tanning industry, or the copious yield of mimoza-gum, so that this vast genus of plants is now surrounded by a multifarious practical interest, alien to it when but comparatively few of the species were known and the significance of many for technology remained unascertained. Indeed it may be readily foreseen, that through a publication, such as the present one, various branches of applied workmanship, including that of the seeds-trade, will become promoted or benefited.

The material for the drawings of these pages has here gradually accumulated through almost forty years, as partly resulting from my own travels and researches, as partly

INTRODUCTION.

gained through contributions of botanic amateurs mostly inspired by myself, and as partly obtained through departmental emissaries, many of whom have long since passed away from their earthly career. The original drawings for this work as well as their lithographic delineations emanated from the skilled talent of Mr. Robert Graff, and demonstrate patient perseverance as well as artistic accomplishment. In the selection of the specimens for the plates and in the revision of the latter I had the able aid of Mr. George Luehmann, Assistant in my Establishment. No plant has been admitted into these pages, of which the material for detail-analysis was not fully extant, a principle adhered to also in all the former illustrated publications of the author. Thus many a species, as yet incompletely known, can by these decades be brought under notice only in supplements, when—as time passes on—through facilitated traffic and extended settlements also the remoter homes of many of the rarer Acacias shall have come within easier reach. A work of this kind ought to have some bearing on our educational efforts likewise, as ~~b~~ its dispersion through the Australian dominions, not merely as patterns for drawing or as text for some phytologic glossology, but also as easy means for directing pleasurable the attention of residents all over Australia to some of the leading features of the floral world near them, and this perhaps far through the next century, when our rich-blooming or curious or fragrant Acacias, while they have become widely naturalized elsewhere, will no longer extend in their gayness and loveliness over all the vast pristine spaces occupied by them now!

ACACIA STENOPTERA.

Bentham in Hooker's London Journal of Botany i. 325 (1842).

- 1, part of a branchlet.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of fruit-valve with stipes and seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All magnified, but to various extent.



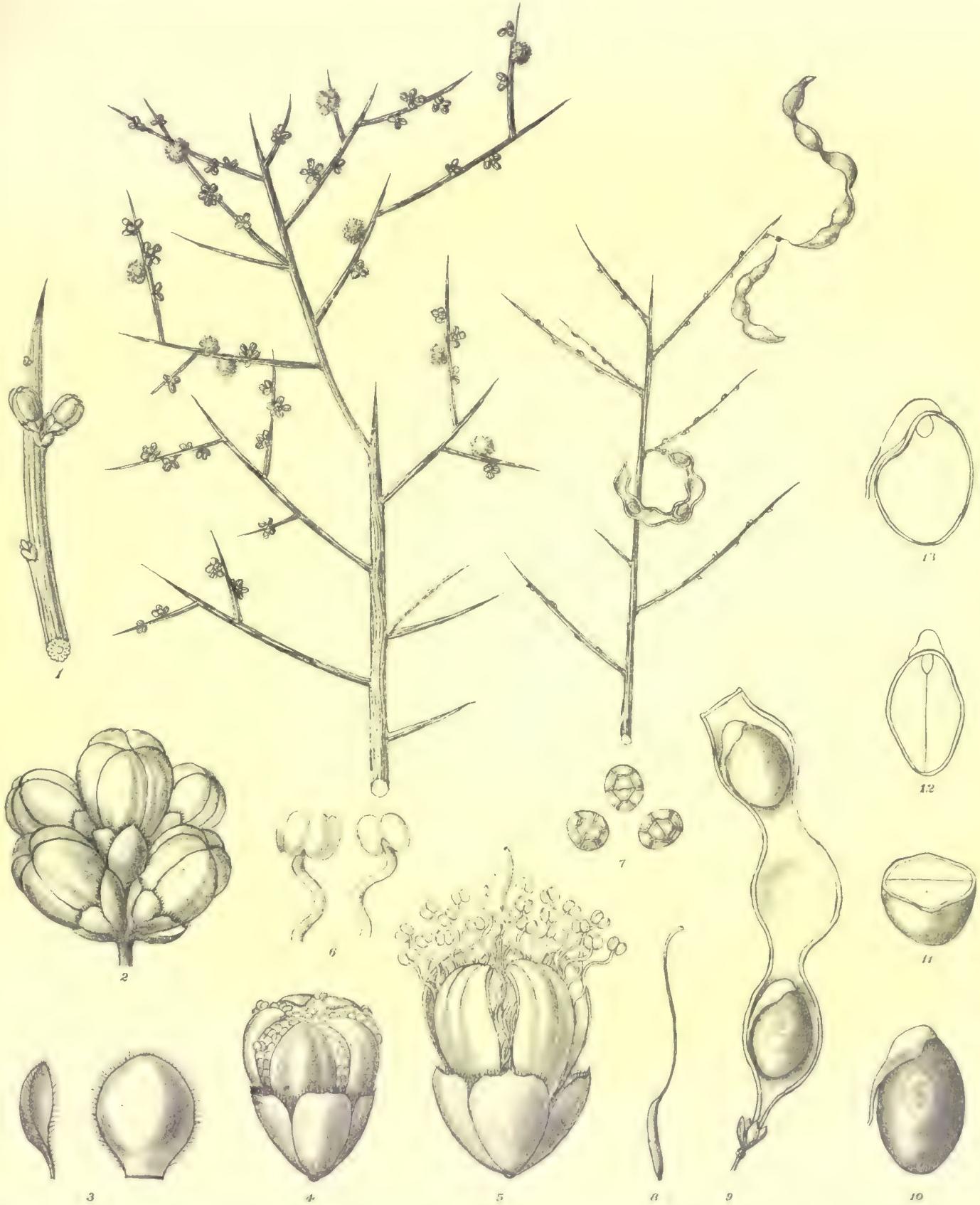




ACACIA SPINESCENS.

Bentham in Hooker's London Journal of Botany i. 323 (1842).

- 1, part of a branchlet with flowers.
 - 2, a flower-head.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanded flower.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grains.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with seeds.
 - 10, a seed separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.

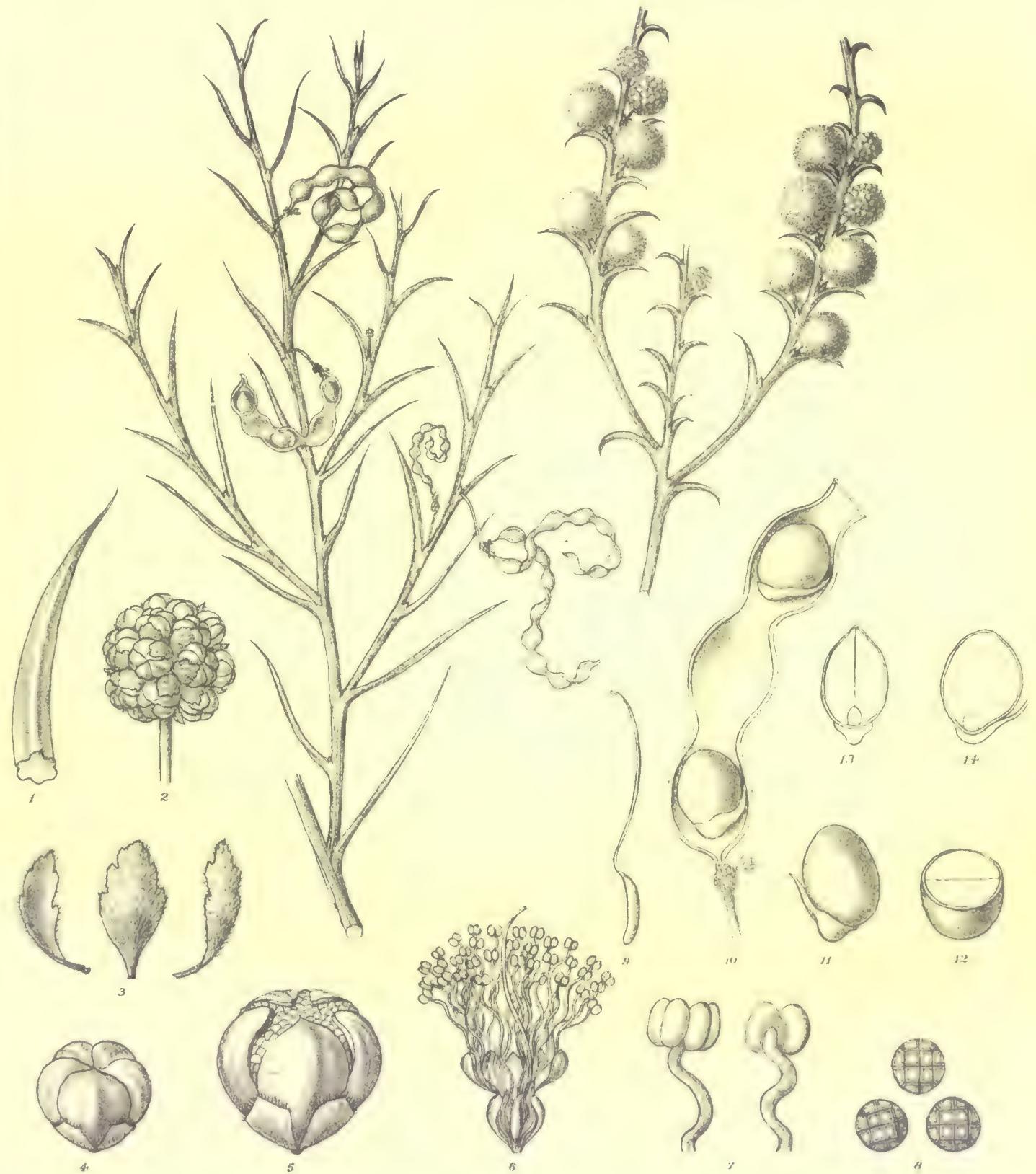




ACACIA CONTINUA.

Bentham, Flora Australiensis ii. 322 (1864).

- 1, part of a branchlet.
 - 2, flower-head.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanding flower.
 - 6, longitudinal section of a flower.
 - 7, front- and back-view of a stamen.
 - 8, pollen-grains.
 - 9, pistil.
 - 10, lower portion of fruit-valve with seeds.
 - 11, a seed separated.
 - 12, transverse section of a seed.
 - 13 and 14, longitudinal sections of seeds.
- All enlarged, but to various extent.

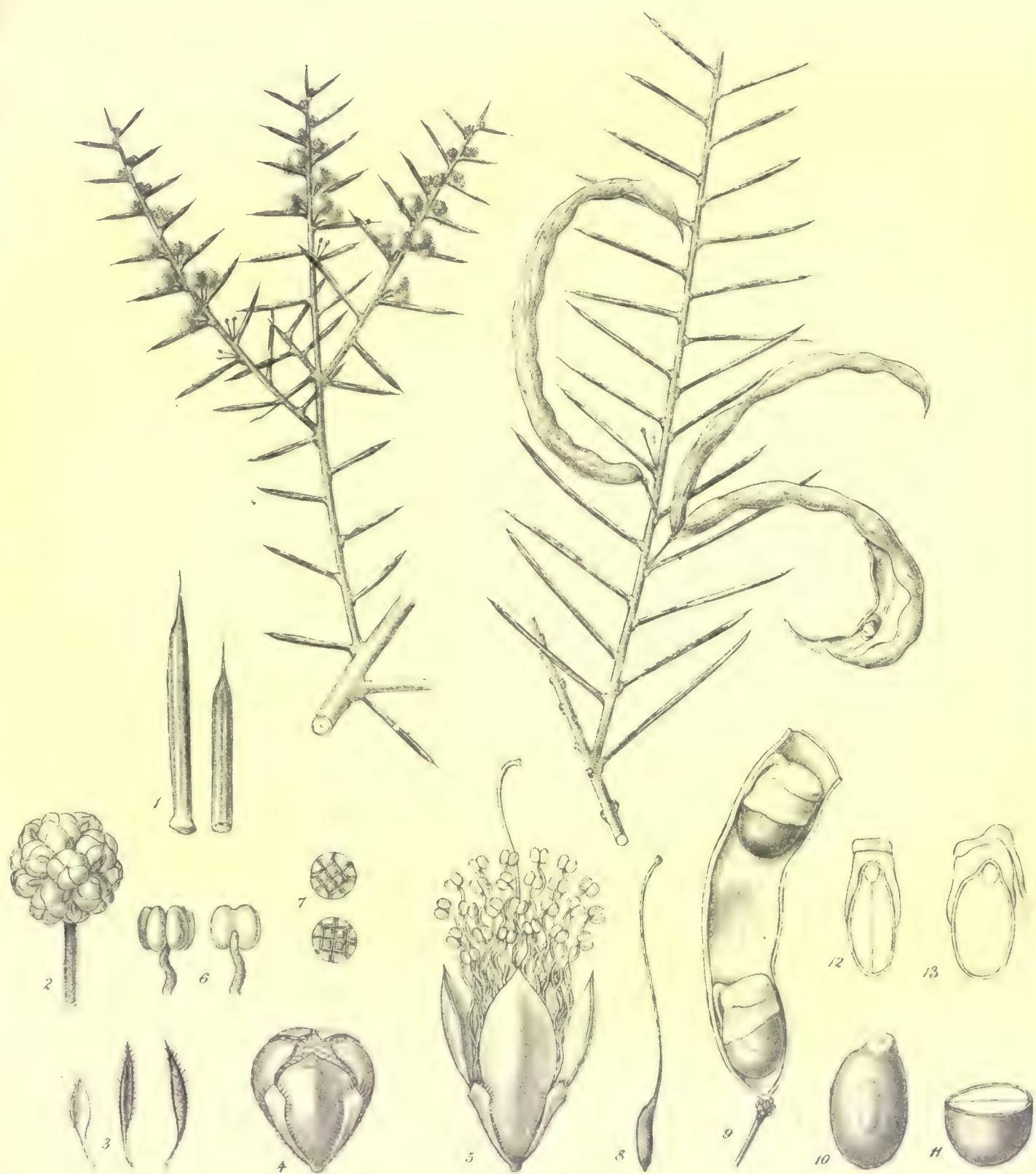


ACACIA COLLETIOIDES.

Cunningham in Hooker's London Journal of Botany i. 336 (1842).

- 1, phyllodia.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All magnified, but to various extent.



ACACIA QUADRISULCATA.

F. v. Mueller, fragmenta phytographiæ Australiæ iii. 127 (1863).

- 1, part of a phyllodium.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



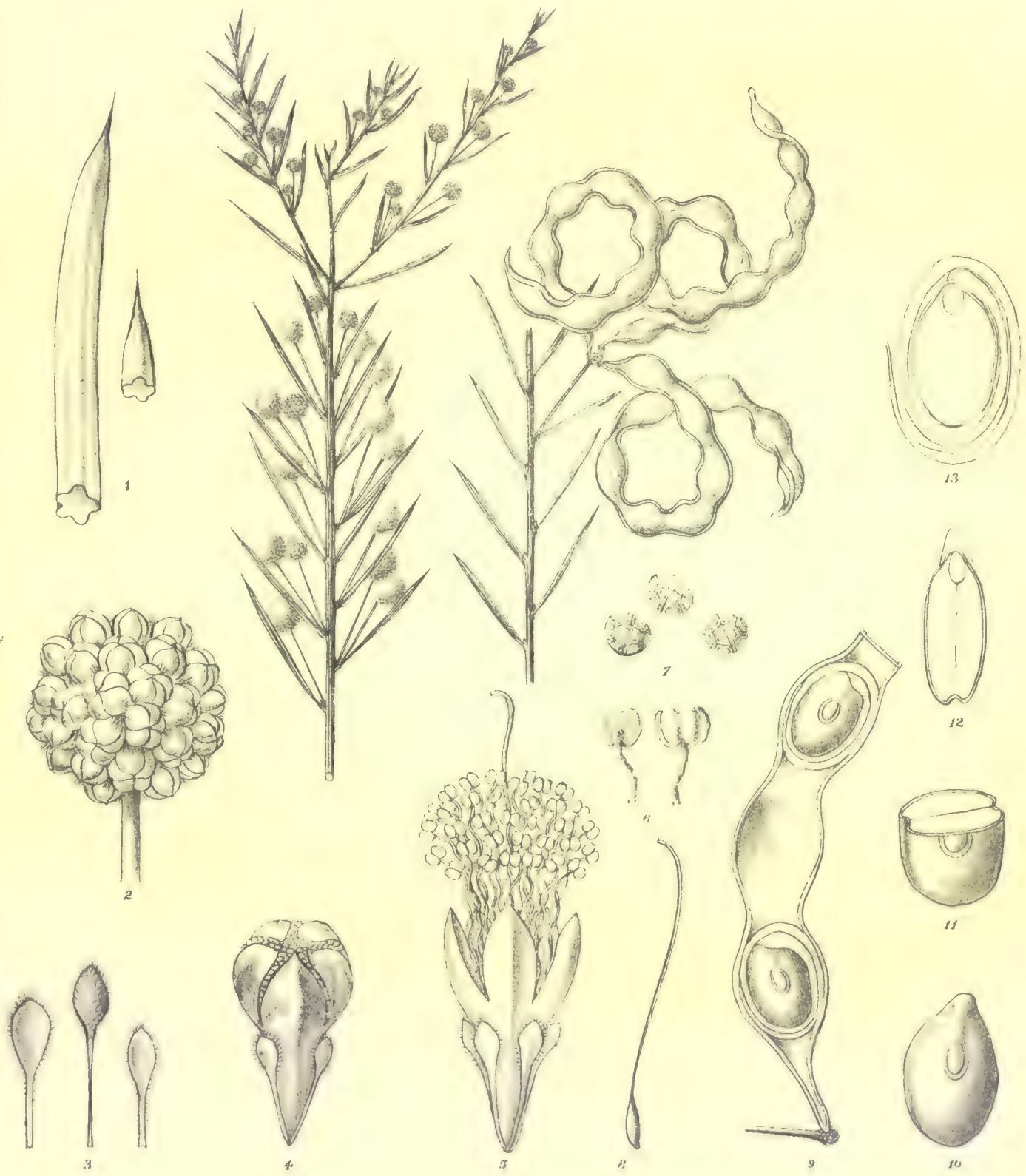


ACACIA GENISTOIDES.

A. Cunningham in Bentham's Flora Australiensis ii. 330 (1864).

- 1, parts of phyllodia.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All magnified, but to various extent.

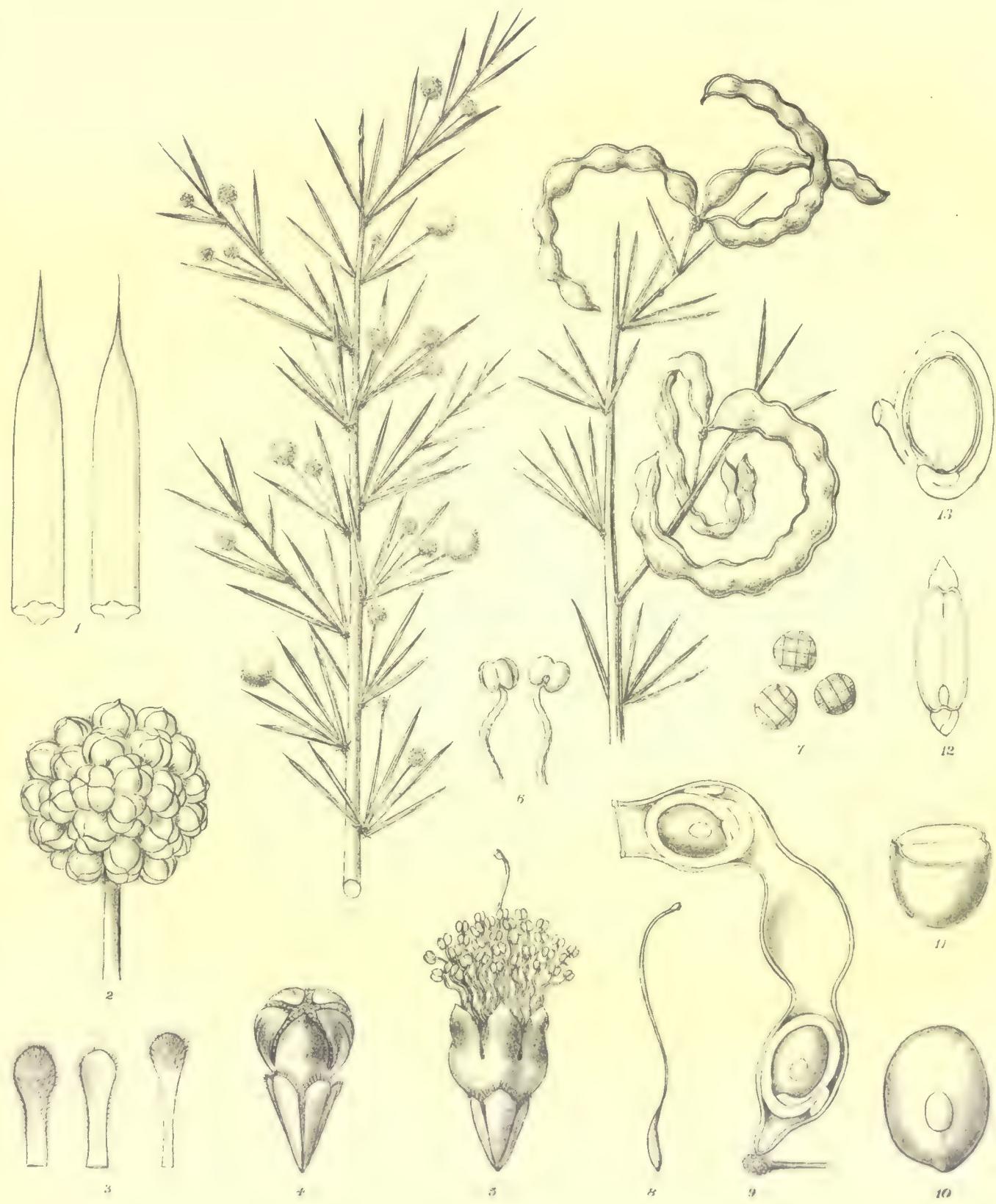


ACACIA TETRAGONOPHYLLA.

F. v. Mueller in Journal of the Linnean Society iii. 121 (1858).

- 1, parts of phyllodia.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All magnified, but to various extent.

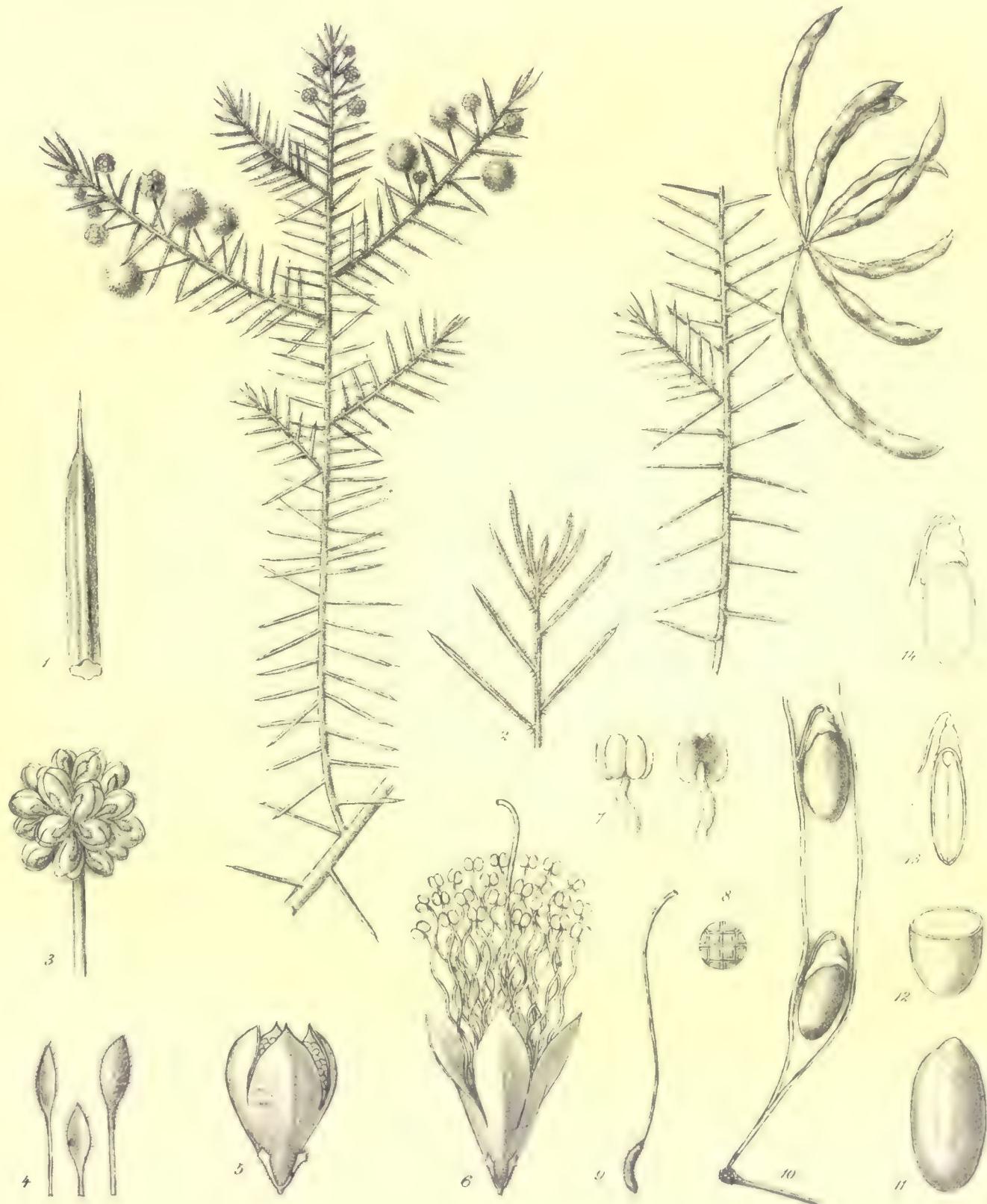


ACACIA TENUIFOLIA.

F. v. Mueller in the Transactions of the Philosophical Society of Victoria i. 37 (1854).

- 1, part of a phyllodium.
- 2, a branchlet.
- 3, flower-head.
- 4, bracts.
- 5, unexpanded flower.
- 6, expanded flower.
- 7, front- and back-view of a stamen.
- 8, a pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with seeds.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All magnified, but to various extent.

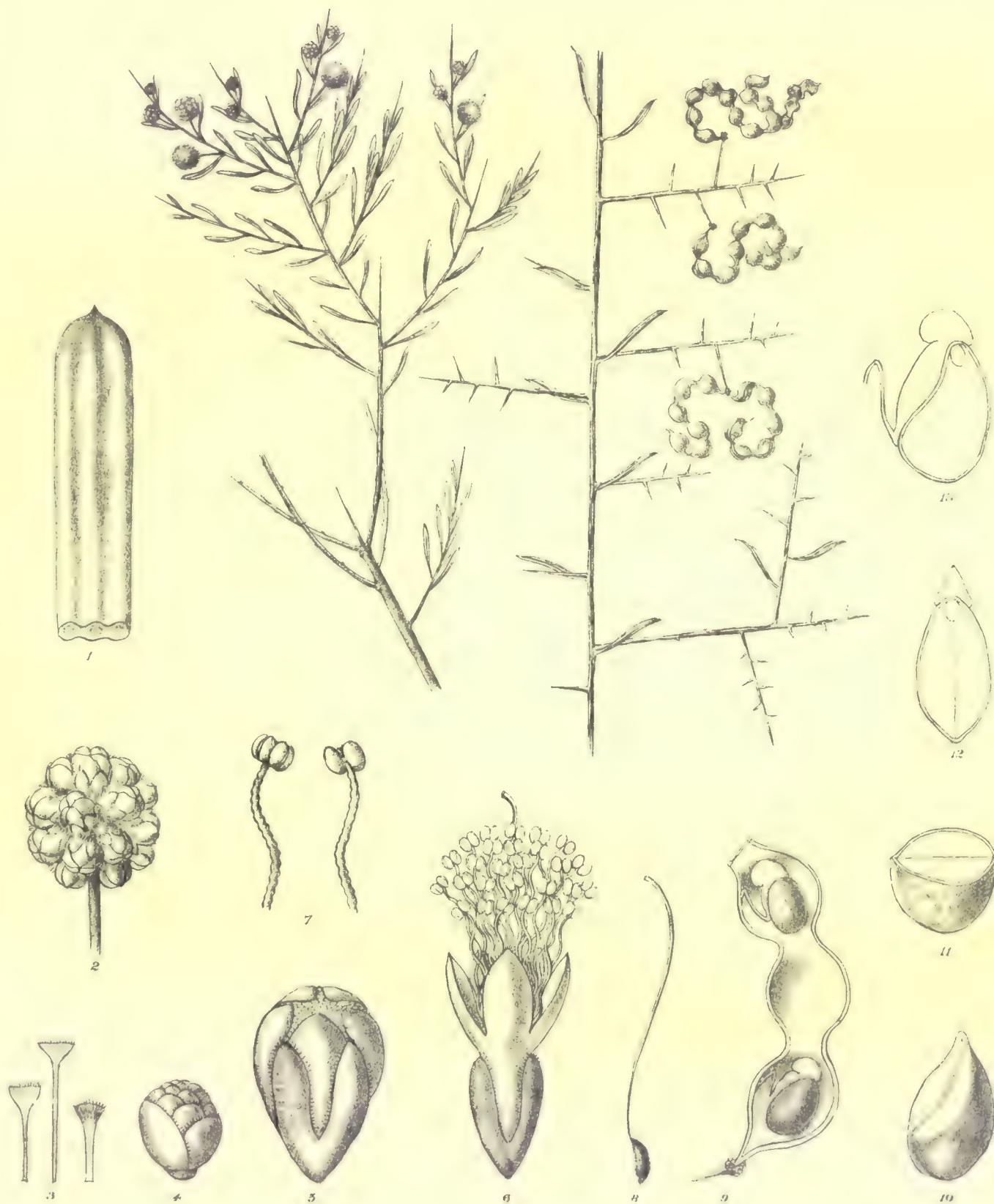


ACACIA ULICINA.

Meissner in Lehmann's plantæ Preissianæ ii. 202 (1846).

- 1, part of a phyllodium.
- 2, flower-head.
- 3, bracts.
- 4, bud.
- 5, unexpanded flower.
- 6, expanded flower.
- 7, front- and back-view of a stamen.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All magnified, but to various extent.



ACACIA TERETIFOLIA.

Bentham in Hooker's London Journal of Botany i. 326 (1842).

- 1, phyllodium with stipules.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA BAXTERI.

Bentham in Hooker's London Journal of Botany i. 327 (1842).

- 1, portion of a phyllodium.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

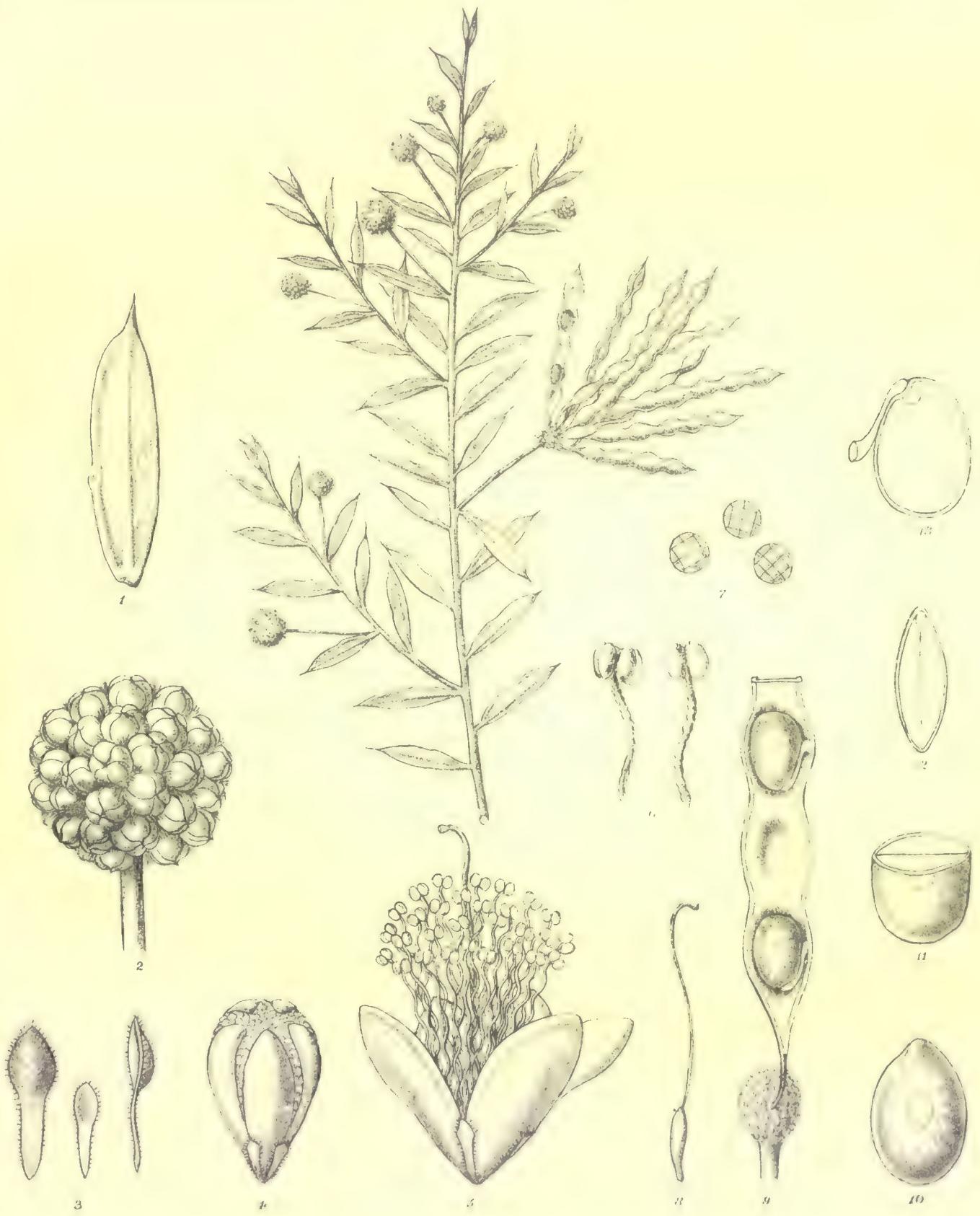
All enlarged, but to various extent.



ACACIA PATENS.

F. v. Mueller in the Journal of the Linnean Society iii. 120 (1858).

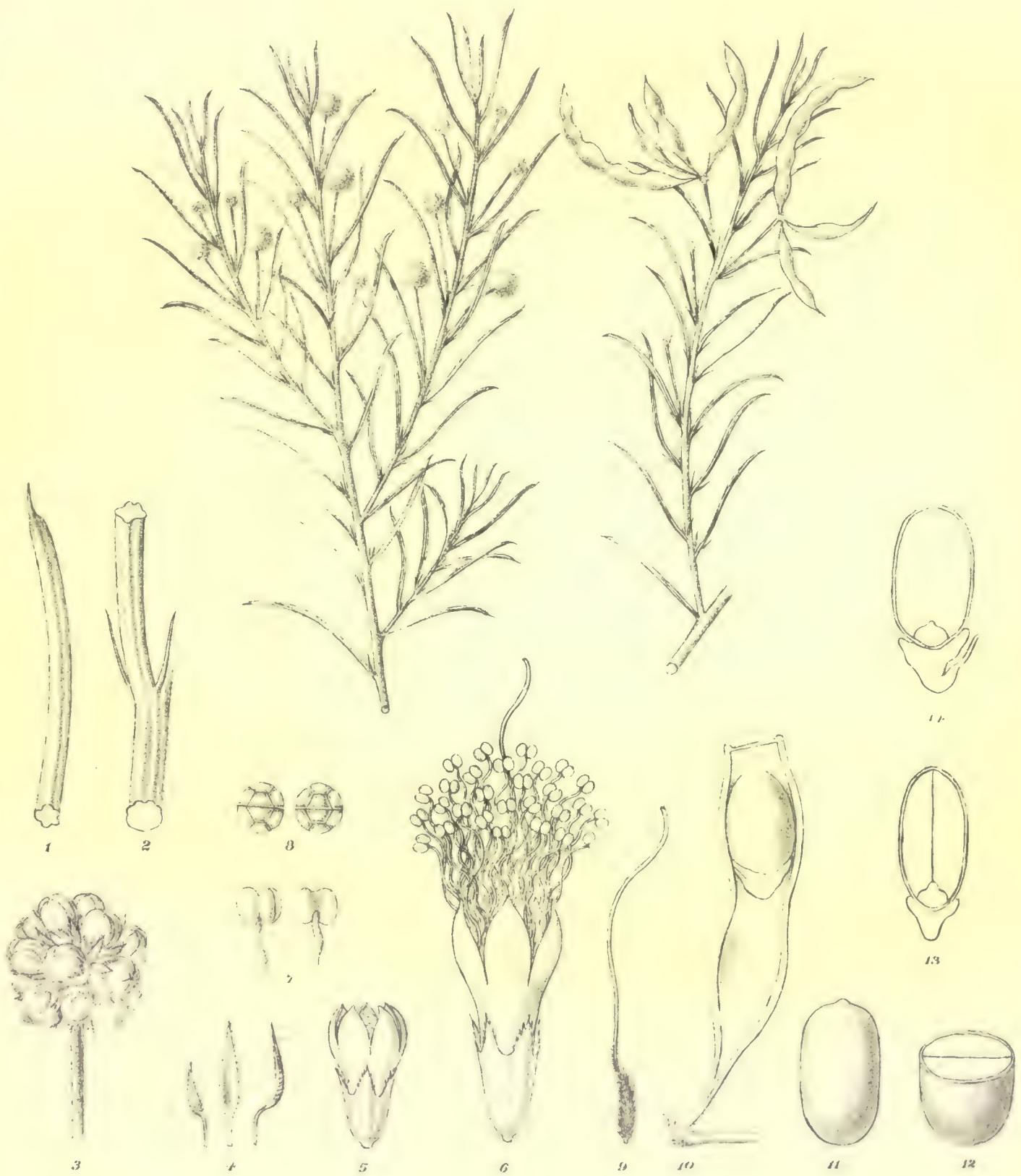
- 1, a phyllodium.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
All enlarged, but to various extent.



ACACIA LARICINA.

Meissner in Lehmann plantæ Preissianæ i. 6 (1844).

- 1, portion of a branchlet.
- 2, part of a phyllodium.
- 3, flower-head.
- 4, bracts.
- 5, unexpanded flower.
- 6, expanded flower.
- 7, front- and back-view of a stamen.
- 8, pollen-grains.
- 9, pistil.
- 10, lower portion of fruit-valve with seed.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
- All enlarged, but to various extent.



Acacia laricina Meissner

ACACIA RIGENS.

Cunningham in Loudon's Hortus Britannicus ii. 406 (1830).

- 1, portions of phyllodia.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



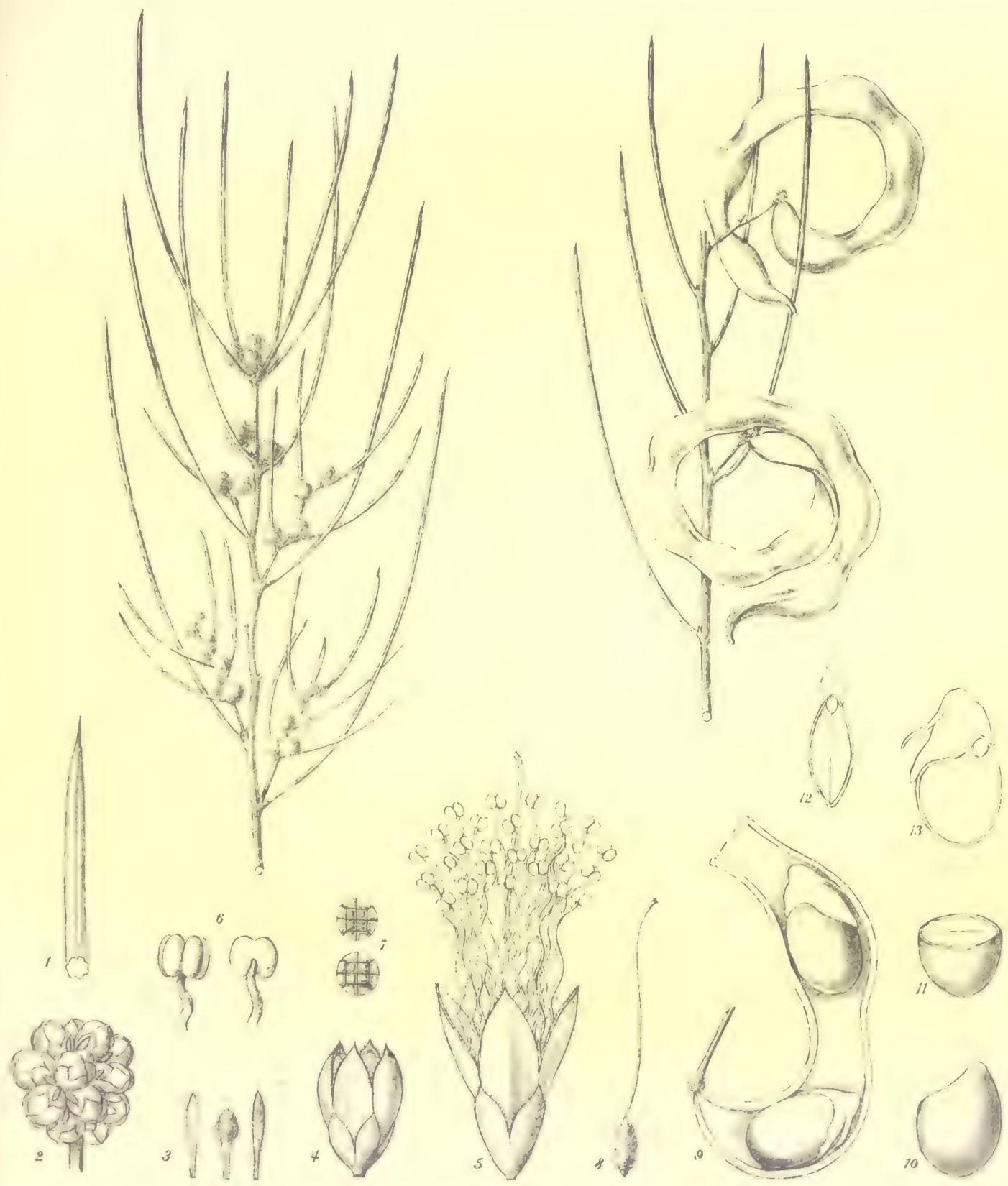


ACACIA SESSILICEPS.

F. v. Mueller in Melbourne Chemist, July 1882.

- 1, portion of a phyllodium.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of an anther.
- 7, pollen-grains.
- 8, pistil.
- 9, portion of fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

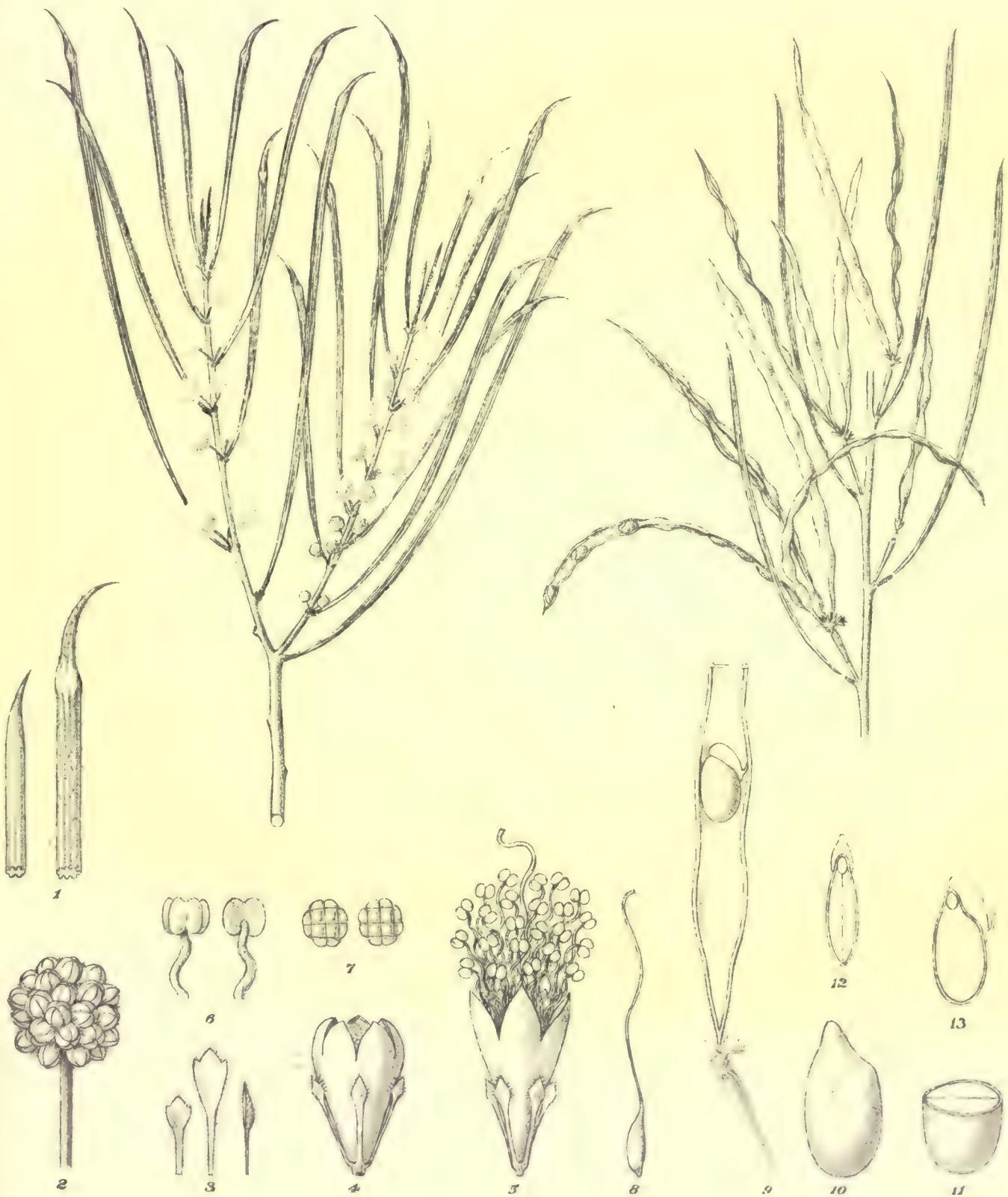


ACACIA TRIPTYCHA.

F. v. Mueller in Bentham's Flora Australiensis ii. 337 (1864).

- 1, portions of phyllodia.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



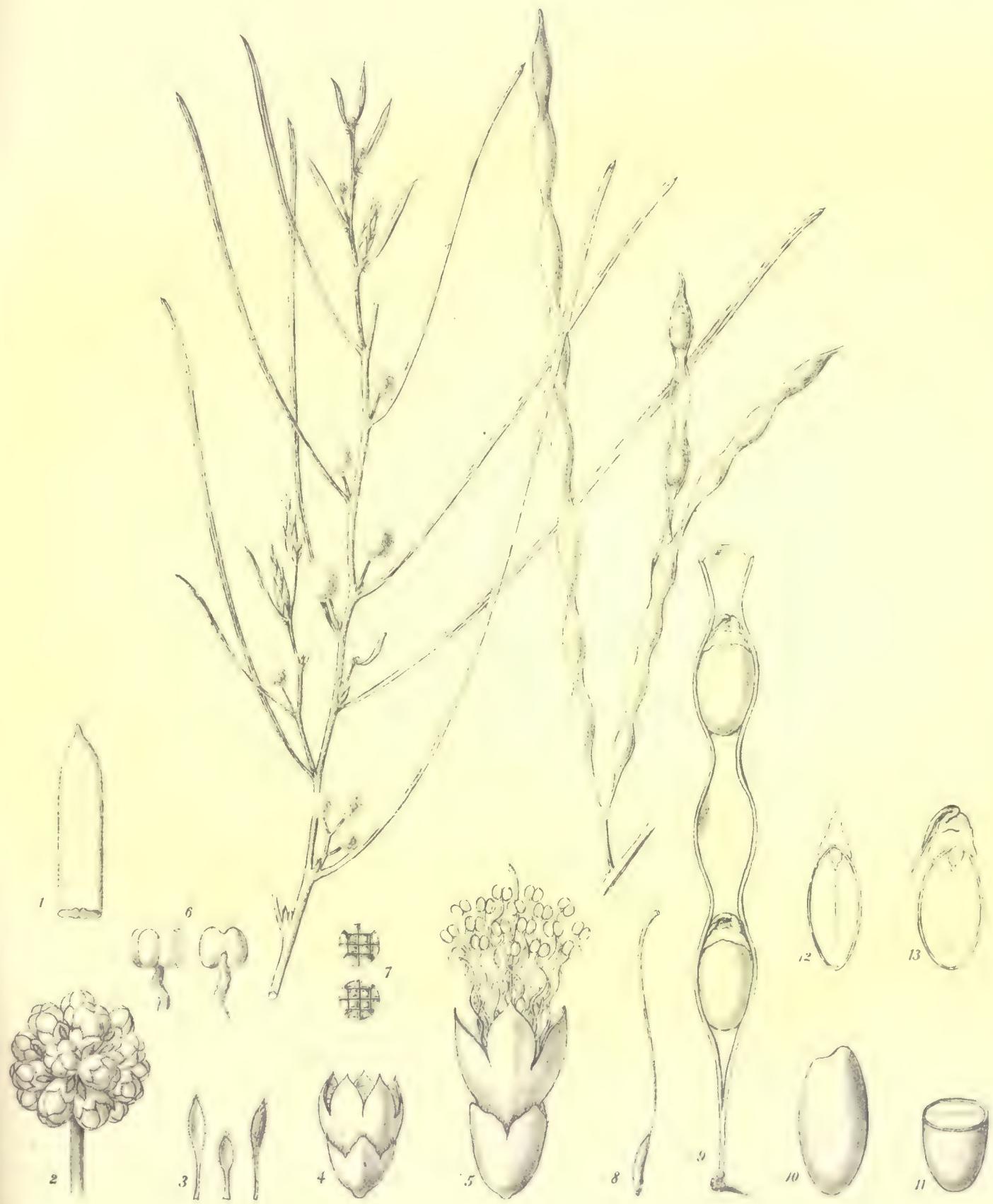


ACACIA SCIRPIFOLIA.

Meissner in Botanische Zeitung 10 (1855).

- 1, portion of a phyllodium.
- 2, a flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

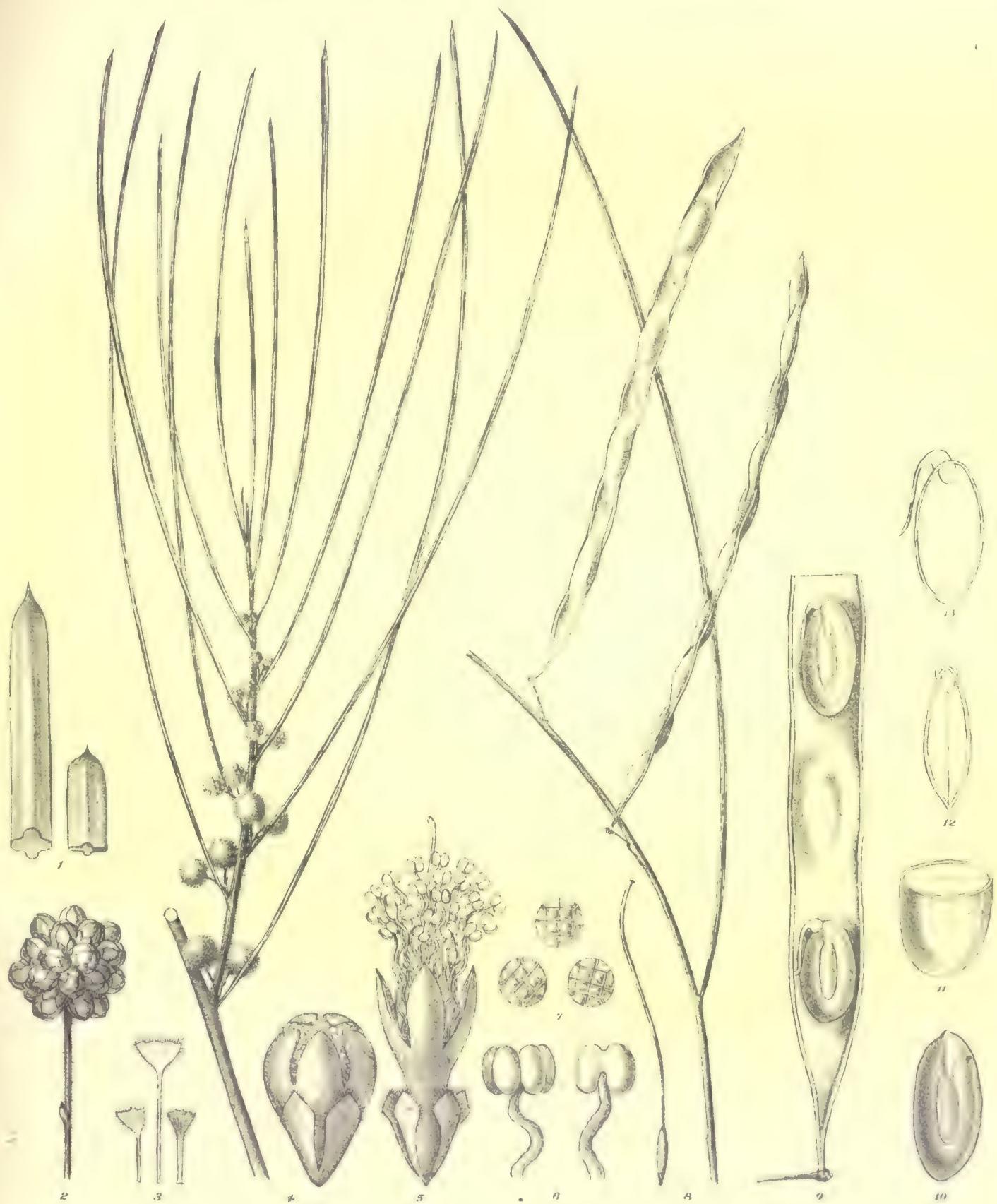


ACACIA JUNCIFOLIA.

Bentham in Hooker's London Journal of Botany i. 341 (1842),

- 1, portions of phyllodia.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



Acacia juncifolia BENTHAM.

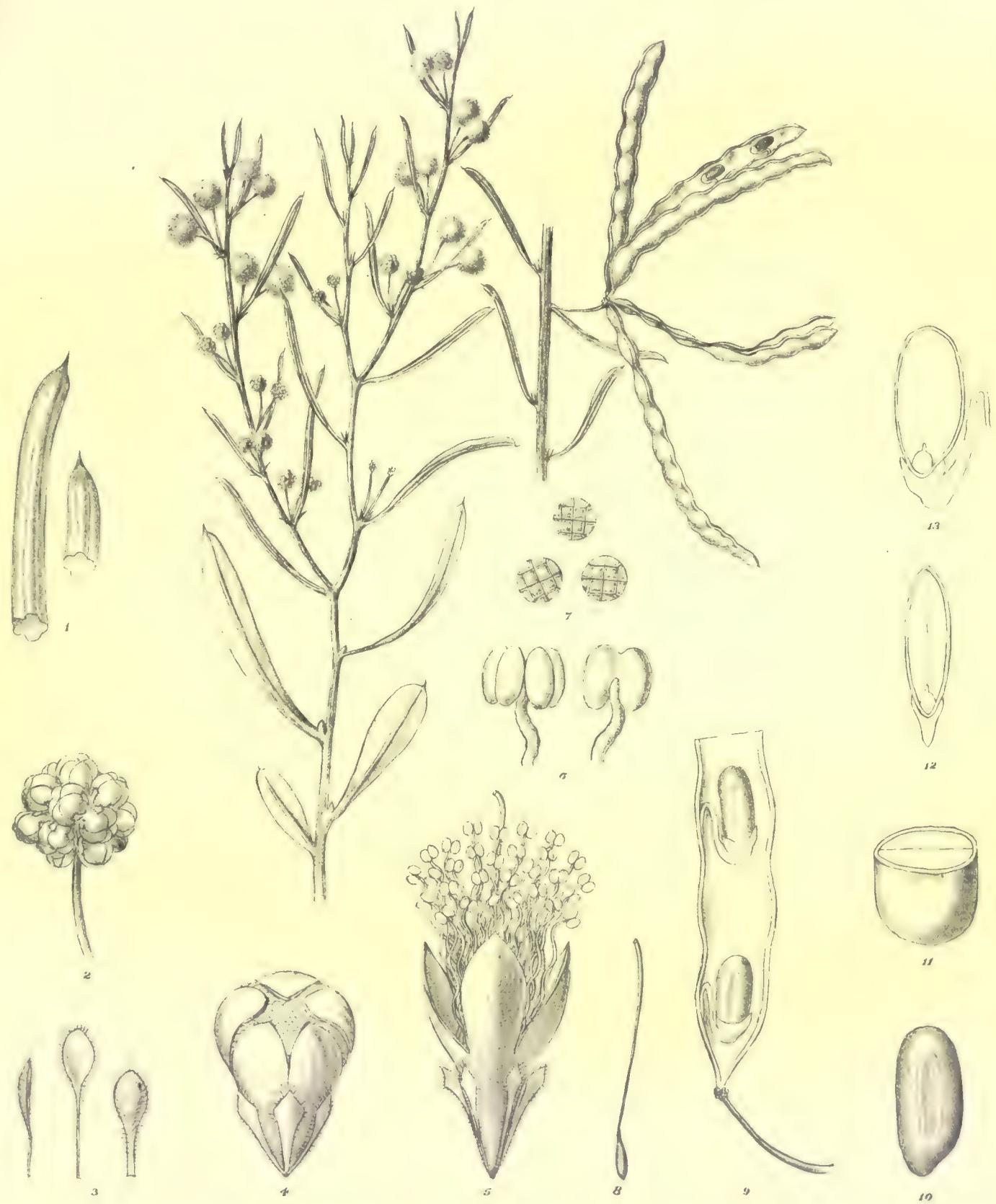


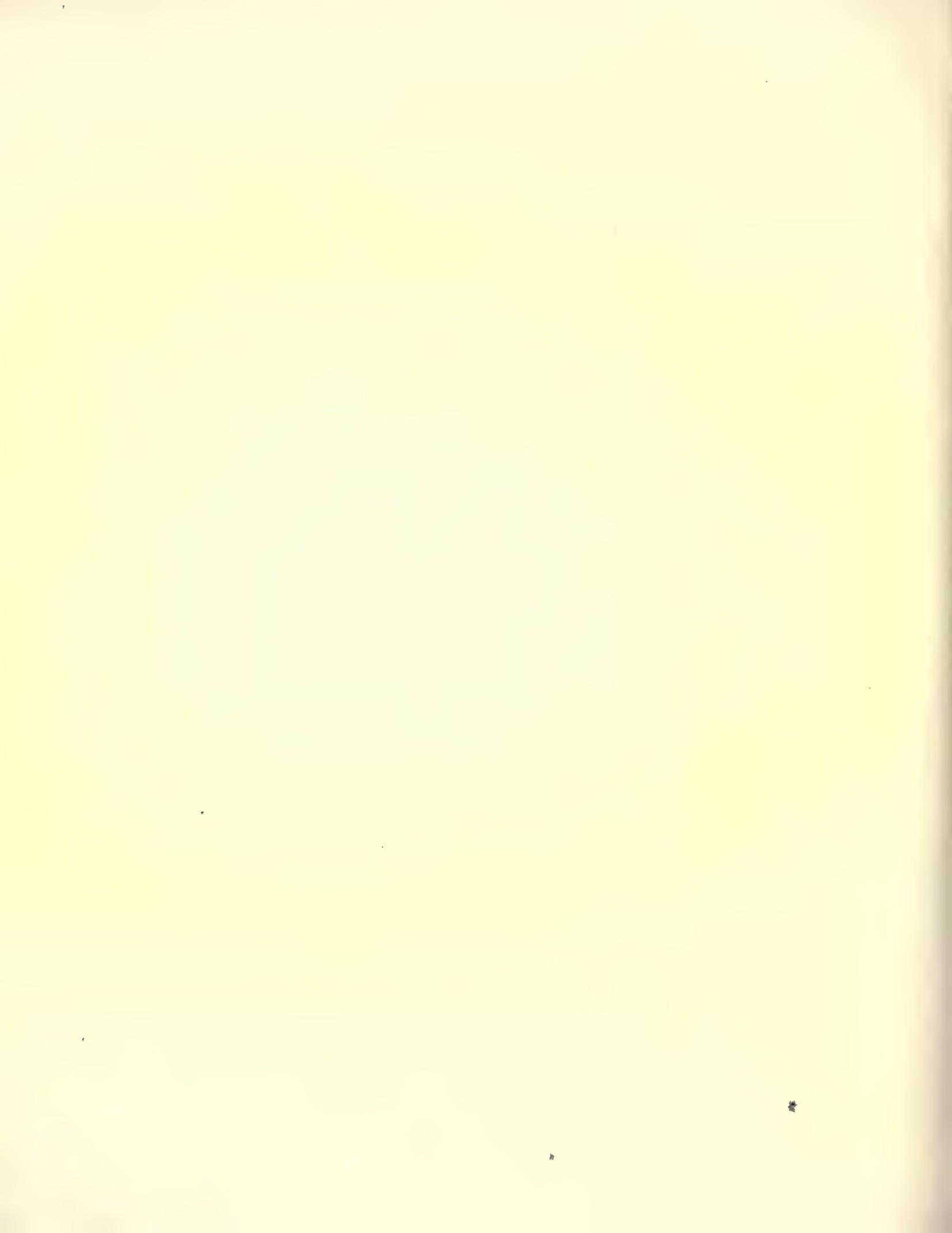
ACACIA GONOPHYLLA.

Bentham in Schlechtendal's Linnæa xxvi. 613 (1853).

- 1, portions of phyllodia.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



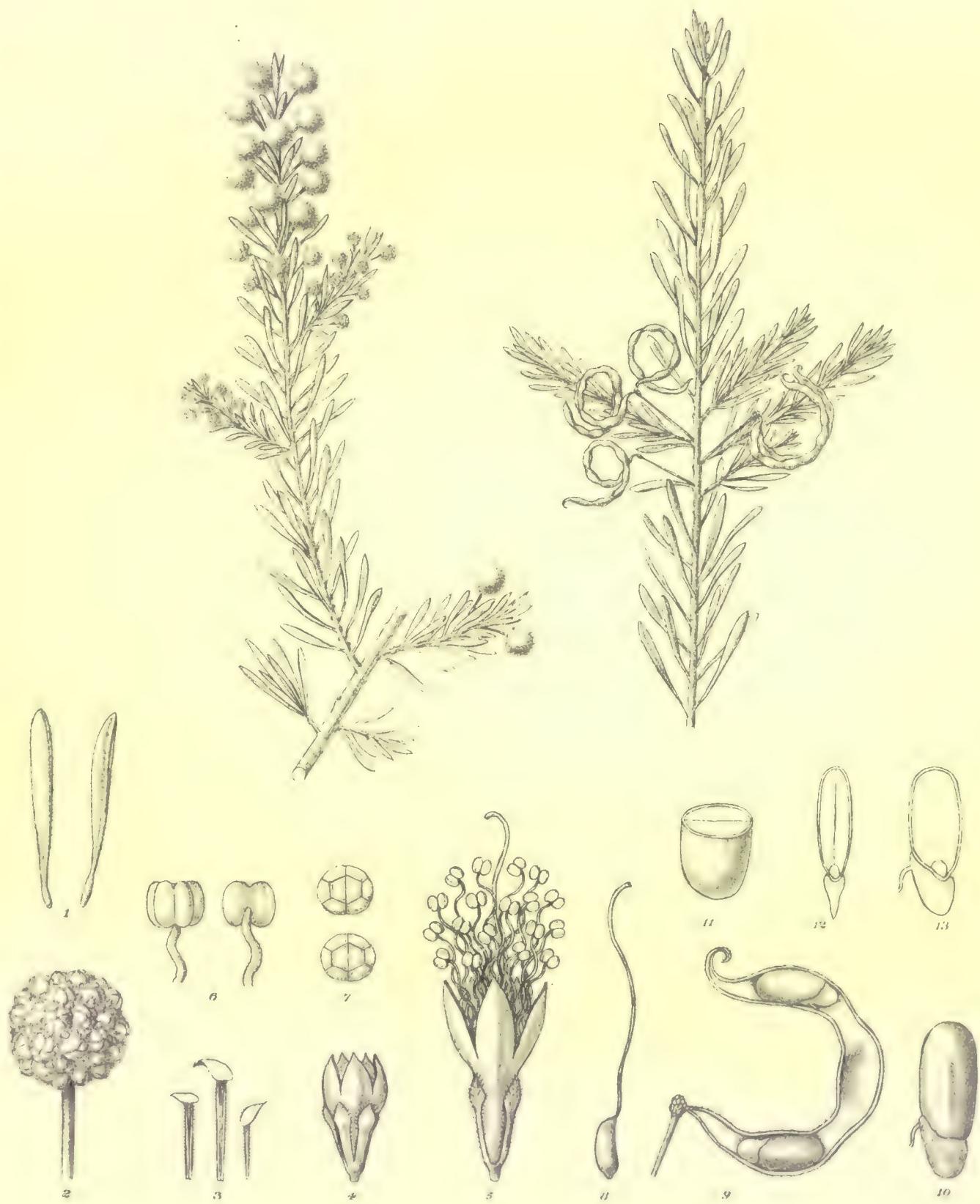


ACACIA ERICIFOLIA.

Bentham in Hooker's London Journal of Botany i. 345 (1842).

- 1, phyllodia.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





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SECOND DECADE.

BY AUTHORITY:

JOHN FERRES, GOVERNMENT PRINTER, MELBOURNE.

1887.

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"SED GAUDEBITIS ET EXULTABITIS USQUE AD SEMPERNUM IN IHS, Q.U.E DEUS CREATAT."—*Prophetia Isaiae, Ixv. 18.*

THIRD DECADE.

BY AUTHORITY:
JOHN FERRES, GOVERNMENT PRINTER, MELBOURNE.

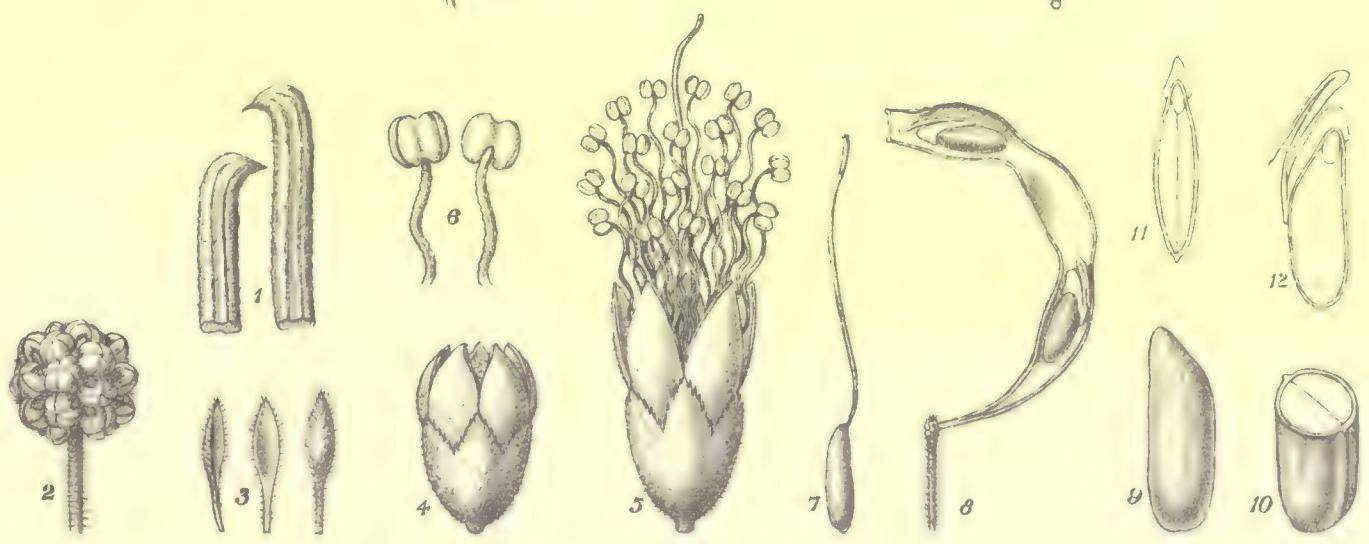
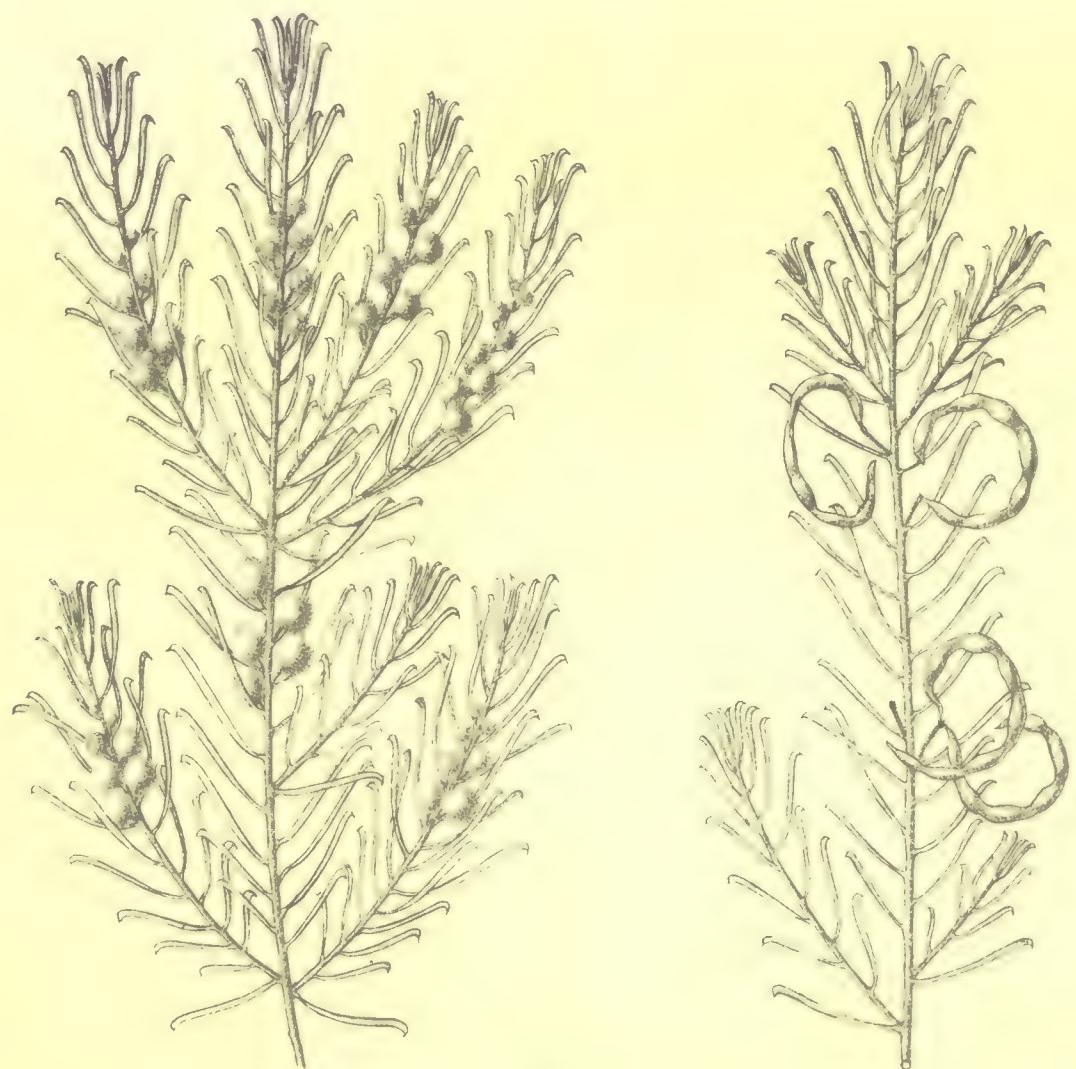
1887.

ACACIA BYNOEANA.

Bentham in Schlechtendal's *Linnæa* xxvi. 614 (1853).

- 1, portions of phyllodia.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pistil.
- 8, lower portion of a fruit-valve with seeds.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.



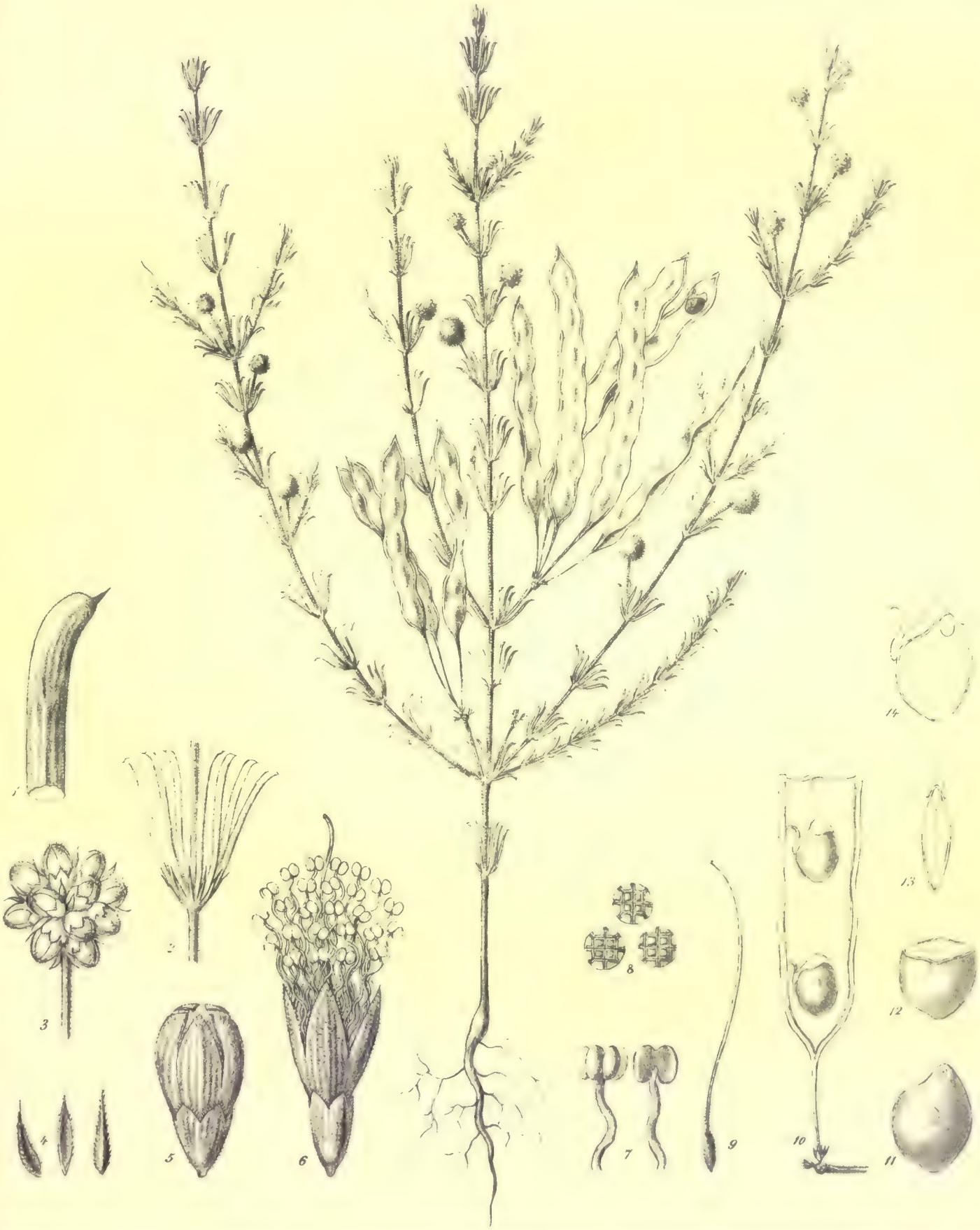
Acacia Bynoeana *Bentham.*

ACACIA GALIOIDES.

Bentham in Hooker's London Journal of Botany i. 344 (1842).

- 1, portion of a phyllodium.
- 2, portion of a branchlet.
- 3, flower-head.
- 4, bracts.
- 5, unexpanded flower.
- 6, expanded flower.
- 7, front- and back-view of a stamen.
- 8, pollen-grains.
- 9, pistil.
- 10, lower portion of a fruit-valve with seeds.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA SUBTERNATA.

F. v. Mueller in the Journal of the Linnean Society iii. 124 (1858).

- 1, portion of a phyllodium.
- 2, portion of a branchlet.
- 3, flower-head.
- 4, bracts.
- 5, unexpanded flower.
- 6, expanded flower.
- 7, front- and back-view of a stamen.
- 8, pollen-grains.
- 9, pistil.
- 10, lower portion of a fruit-valve with seeds.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA BAUERI.

Bentham in Hooker's London Journal of Botany i. 344 (1842).

- 1, portion of a phyllodium.
 - 2, portion of a branchlet.
 - 3, flower-head.
 - 4, bracts.
 - 5 and 6, unexpanded flowers.
 - 7, expanded flower.
 - 8, front- and back-view of a stamen.
 - 9, pollen-grains.
 - 10, pistil.
 - 11, lower portion of a fruit-valve with seed.
 - 12, a seed separated.
 - 13, transverse section of a seed.
 - 14 and 15, longitudinal sections of seeds.
- All enlarged, but to various extent.

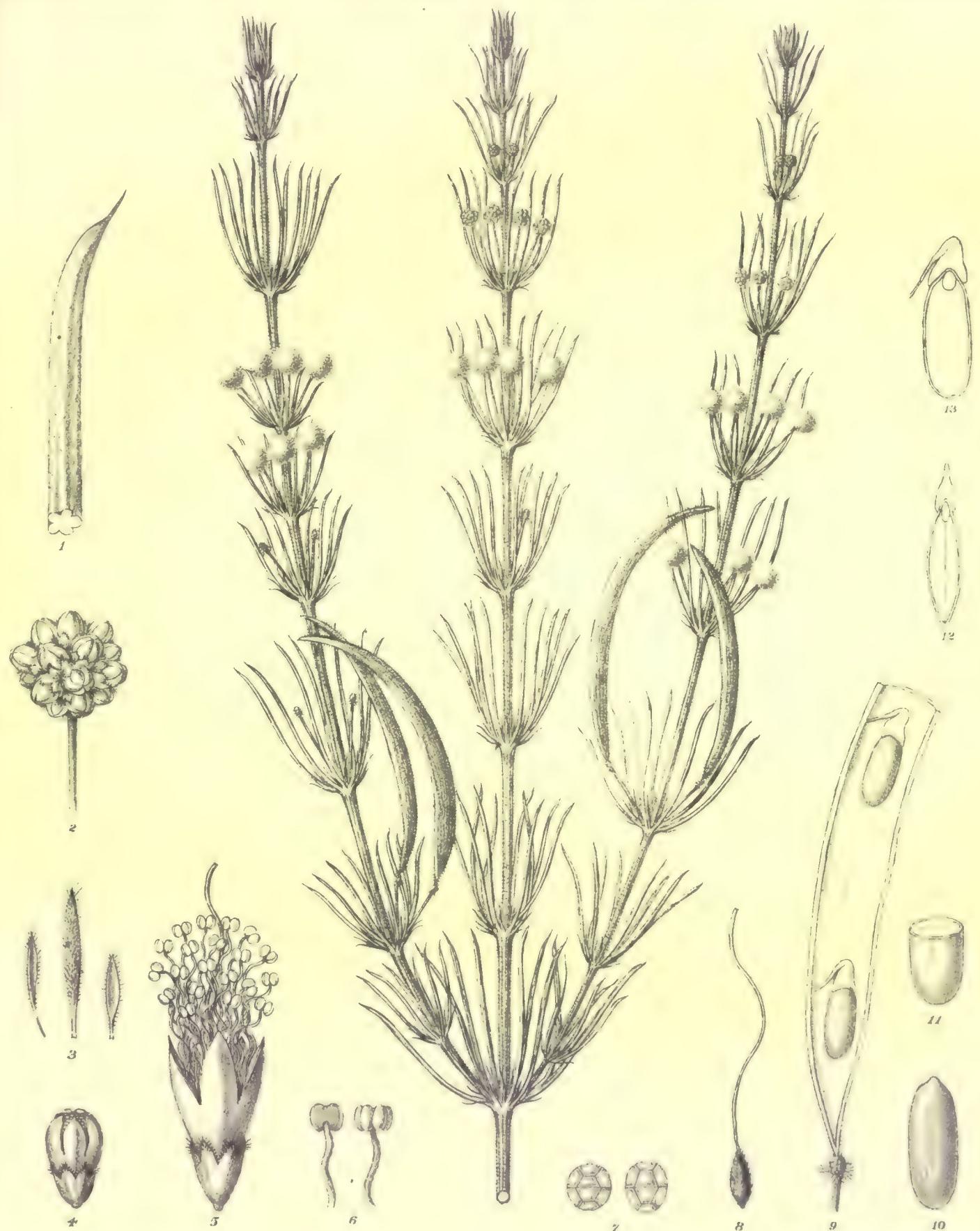


ACACIA CEDROIDES.

Bentham in Schlechtendal's *Linnæa* xxvi. 615 (1853).

- 1, portion of a phyllodium.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA MINUTIFOLIA.

F. v. Mueller, fragmenta phytographiæ Australiæ viii. 243 (1874).

- 1, portion of a phyllodium.
- 2, portion of a branchlet.
- 3, flower-head.
- 4, bracts.
- 5, unexpanded flower.
- 6, expanded flower.
- 7, front- and back-view of a stamen.
- 8, pollen-grains.
- 9, pistil.
- 10, lower portion of a fruit-valve with seeds.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.



ACACIA SPONDYLOPHYLLA.

F. v. Mueller, fragmenta phytographiæ Australiæ viii. 243 (1874).

- 1, portion of a phyllodium.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
All enlarged, but to various extent.



Acacia spondylophylla F.M.



ACACIA CONFERTA.

Cunningham in Hooker's London Journal of Botany i. 345 (1842).

- 1, portion of a phyllodium.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

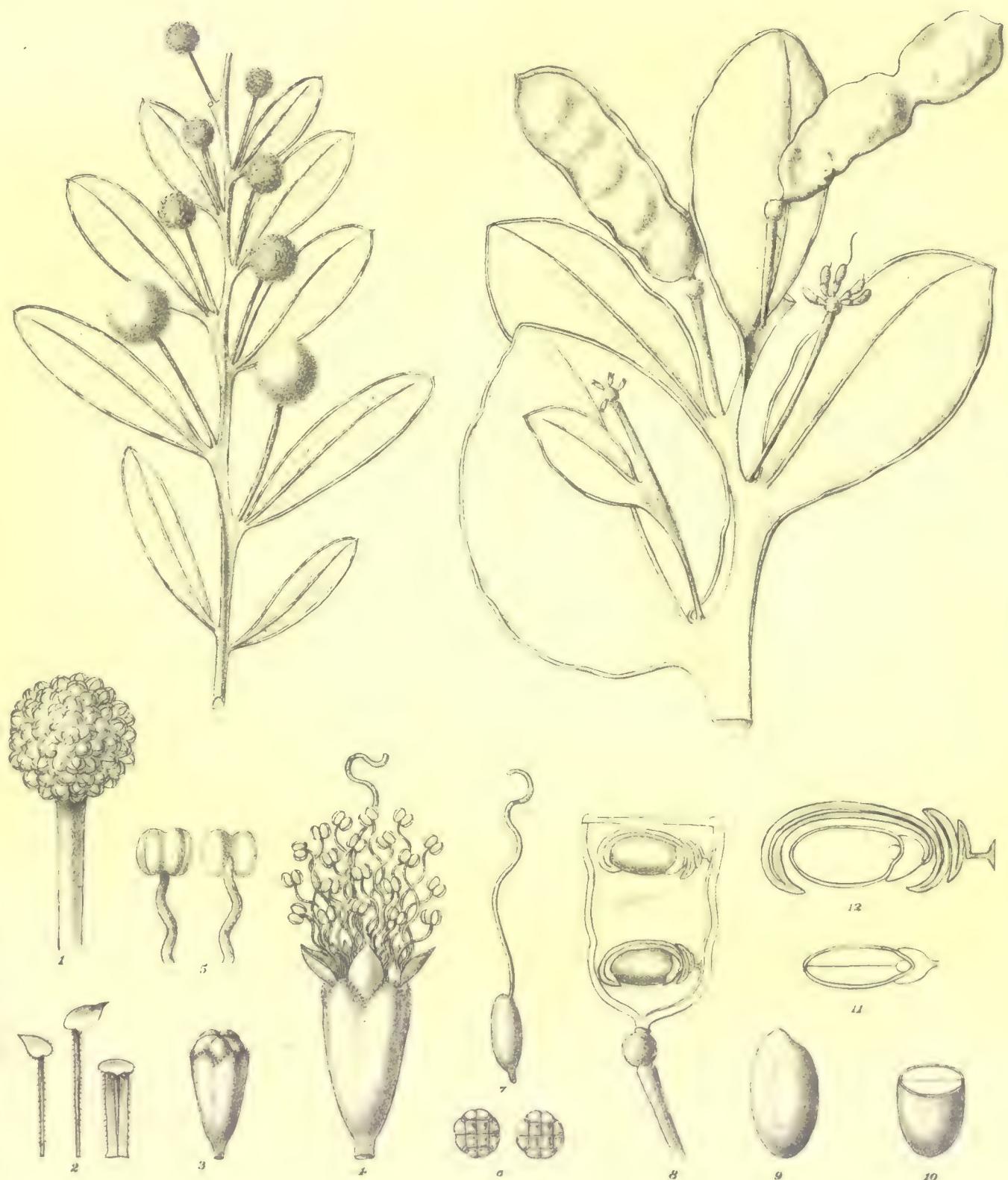


ACACIA ANCEPS.

De Candolle, Mémoire sur la famille des Légumineuses 446 (1825).

- 1, flower-head.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, front- and back-view of a stamen.
- 6, pollen-grains.
- 7, pistil.
- 8, lower portion of a fruit-valve with seeds.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.

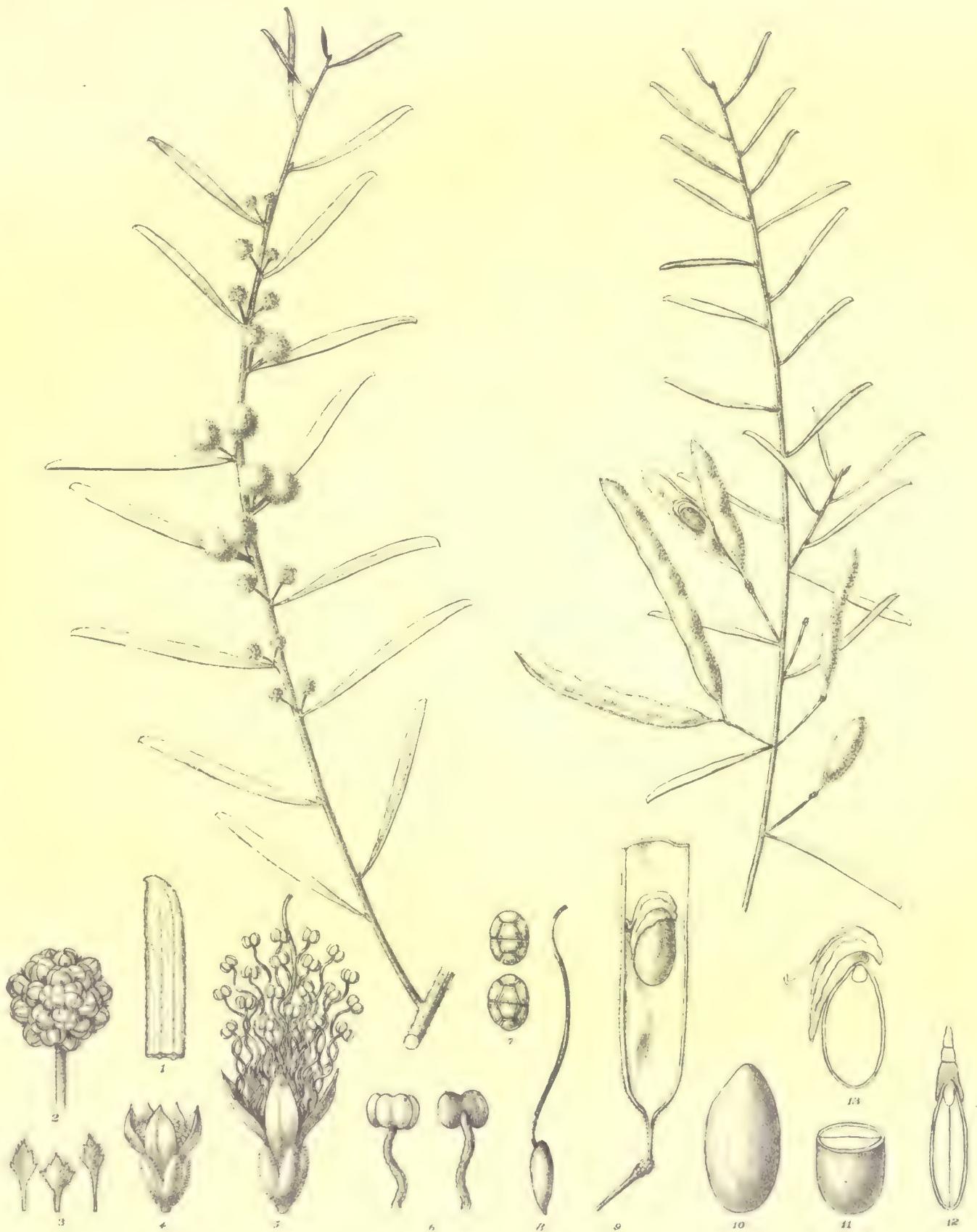


ACACIA MONTANA.

Bentham in Hooker's London Journal of Botany i. 360 (1842).

- 1, portion of a phyllodium.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



ICONOGRAPHY

OF

AUSTRALIAN SPECIES OF ACACIA

AND

COGNATE GENERA,

BY

BARON FERD. VON MUELLER, K.C.M.G., M. & PH.D., F.R.S.,

GOVERNMENT BOTANIST OF THE COLONY OF VICTORIA.

"SED GAUDEBITIS ET EXULTABITIS USQUE AD SEMPERNUTM IN HIS, QUÆ DEUS CREABAT."—*Prophetia Isaiae*, lxxv. 18.

FOURTH DECADE.

BY AUTHORITY:

JOHN FERRES, GOVERNMENT PRINTER, MELBOURNE.

1887.

ACACIA TETRAGONOCARPA.

Meissner in Lehmann's Plantæ Preissianæ i. 4 (1844).

- 1, portion of a branchlet with young flowerheads.
- 2, bracts.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



Acacia tetragonocarpa Meissner.

ACACIA ERINACEA.

Bentham in Hooker's London Journal of Botany i. 360 (1842).

- 1, phyllodia.
 - 2, flower-head.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanded flower.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grains.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with seeds.
 - 10, a seed separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All, except 1, enlarged, but to various extent.

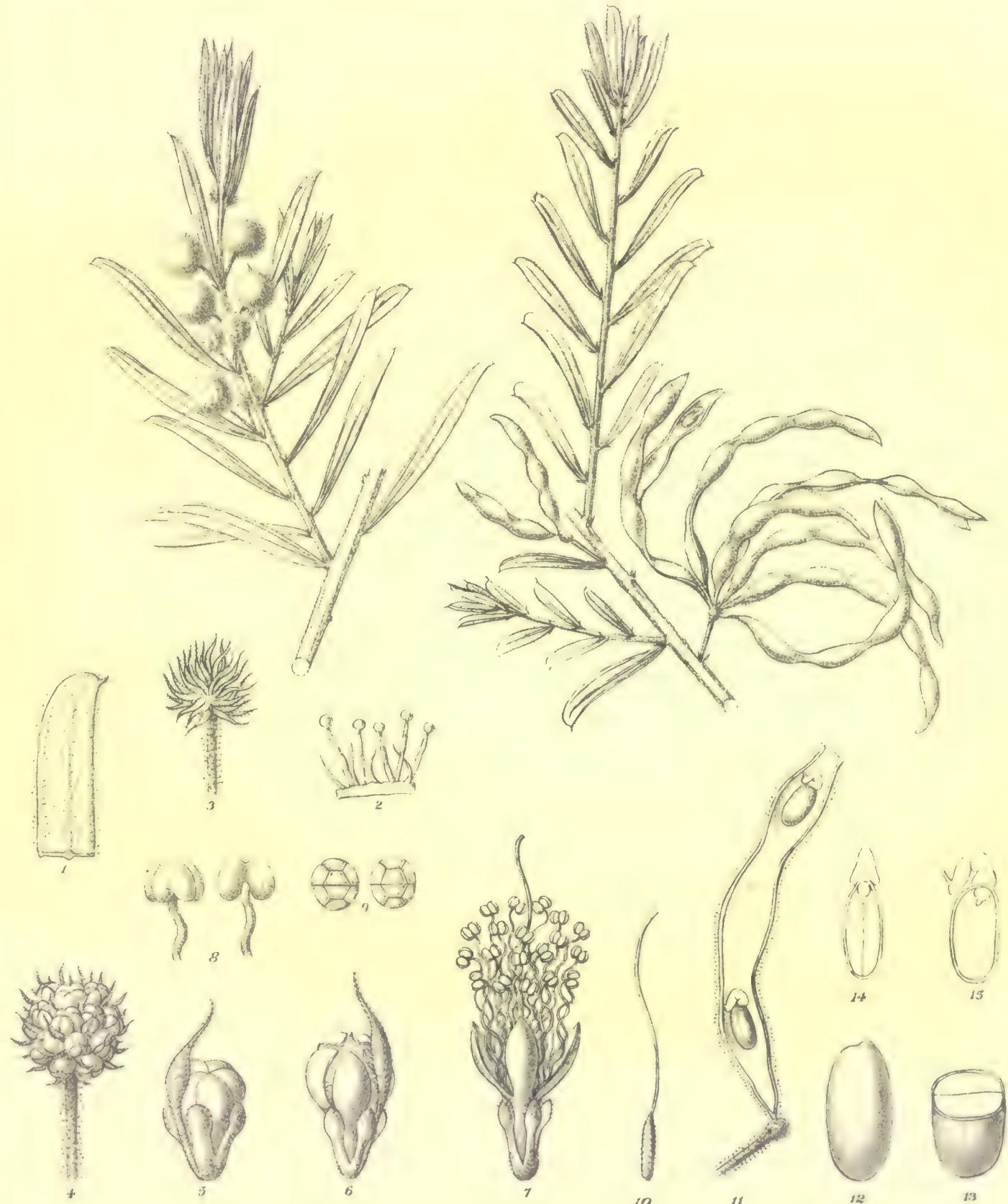


ACACIA ASPERA.

Lindley in Mitchell's Three Expeditions ii. 139 (1838).

- 1, portion of a phyllodium.
- 2, glandular hairs.
- 3, head of very young buds, showing the bracts.
- 4, head of unexpanded flowers.
- 5 and 6, separate unexpanded flowers.
- 7, expanded flower.
- 8, front- and back-view of a stamen.
- 9, pollen-grains.
- 10, pistil.
- 11, lower portion of a fruit-valve with seeds.
- 12, a seed separated.
- 13, transverse section of a seed.
- 14 and 15, longitudinal sections of seeds.

All enlarged, but to various extent.

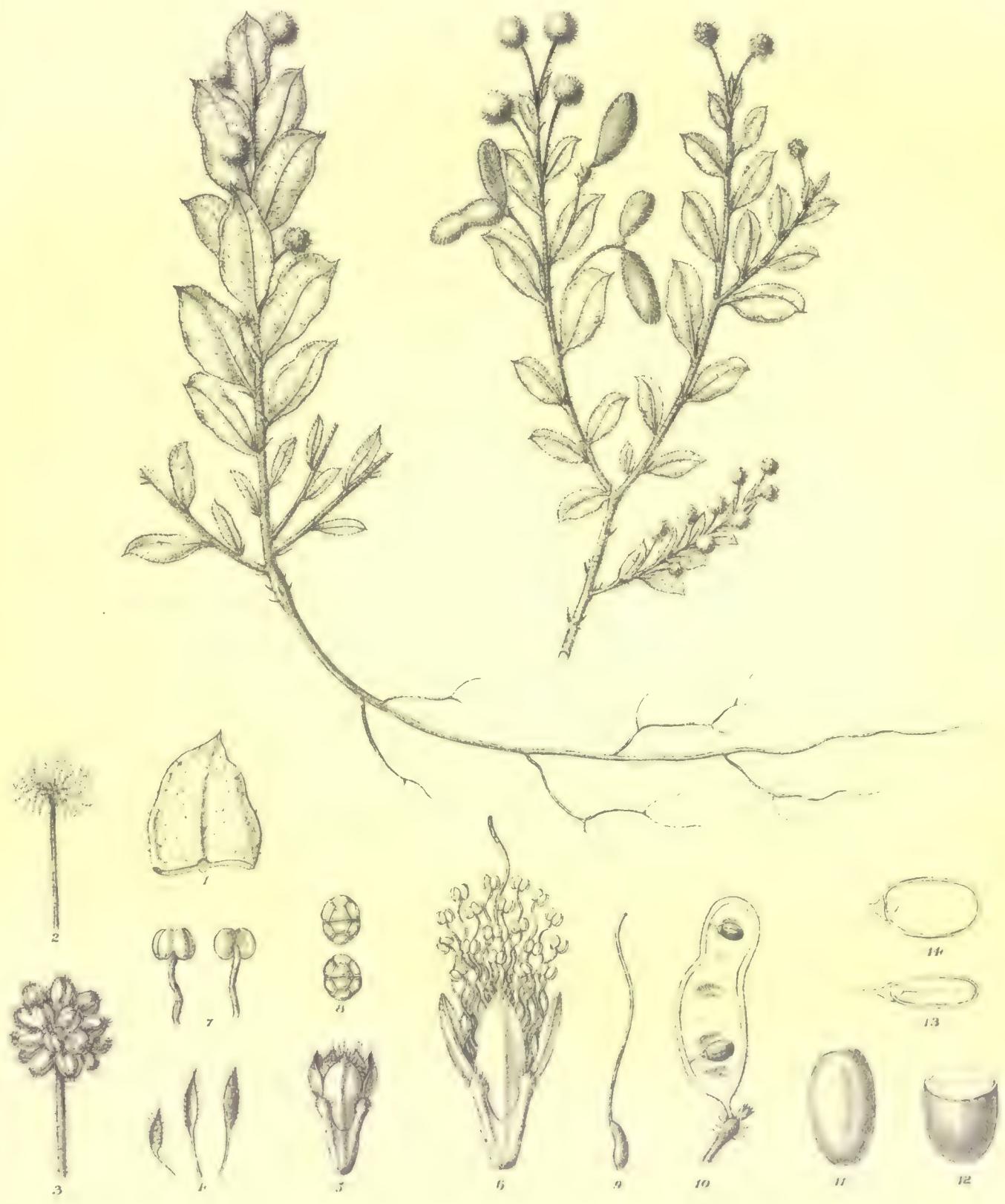


ACACIA PILOSA.

Bentham in Schlechtendal's *Linnæa* xxvi. 607 (1853).

- 1, portion of a phyllodium.
- 2, head of very young buds, showing the bracts.
- 3, head of unexpanded flowers.
- 4, bracts.
- 5, unexpanded flower.
- 6, expanded flower.
- 7, front- and back-view of a stamen.
- 8, pollen-grains.
- 9, pistil.
- 10, fruit-valve with seeds.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA PLAGIOPHYLLA.

F. v. M. in the Journal of the Linnean Society iii. 131 (1858).

- 1, portion of a branchlet with phyllodia.
- 2, flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA ACANTHOCLADA.

F. v. M. fragmenta phytographiæ Australiæ iii. 127 (1863).

- 1, portion of a branchlet with phyllodia.
- 2, phyllodia separated.
- 3, young flower-head.
- 4, bracts.
- 5, unexpanded flower.
- 6, expanded flower.
- 7, front- and back-view of a stamen.
- 8, pollen-grains.
- 9, pistil.
- 10, lower portion of a fruit-valve with seeds.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.



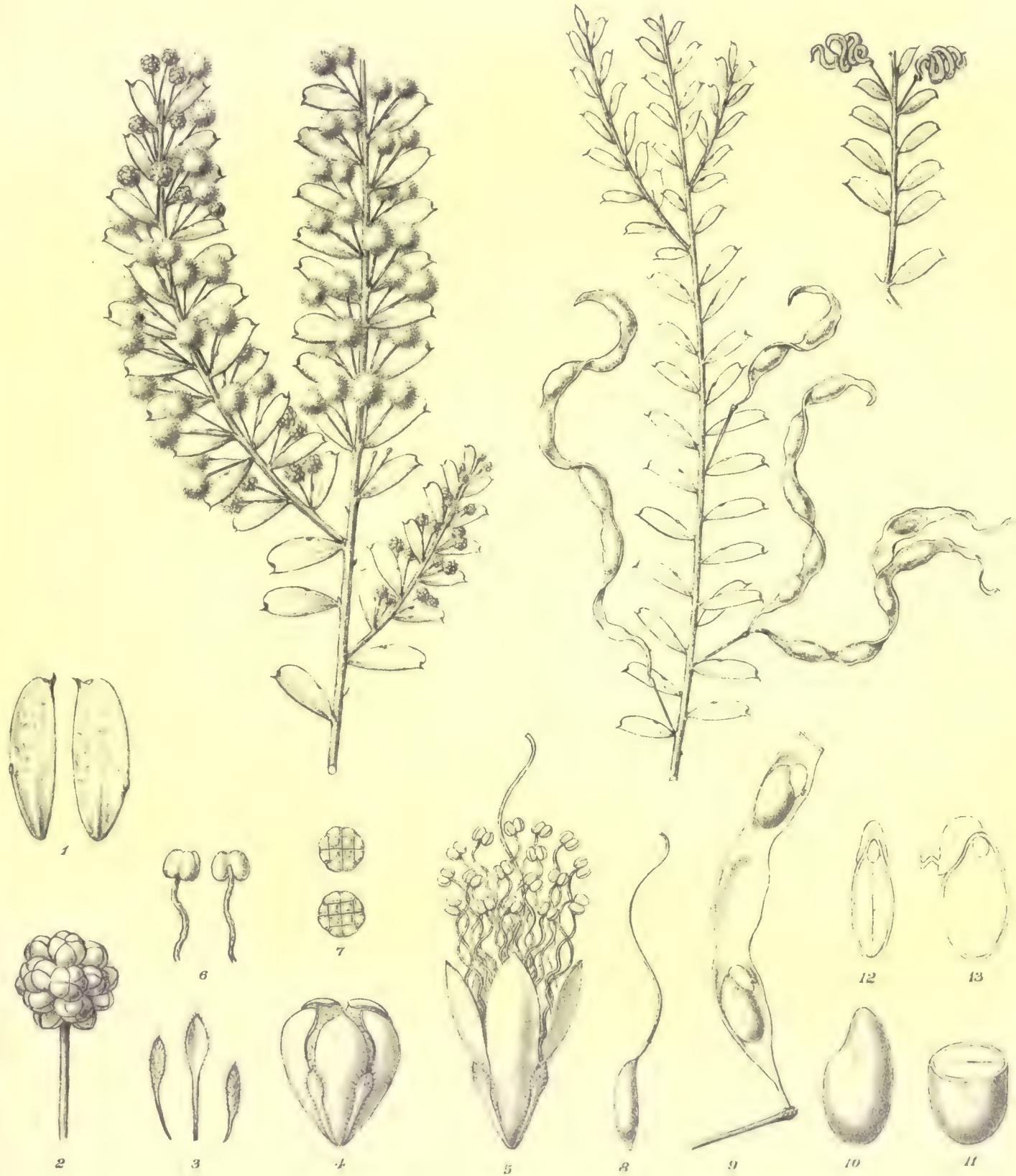


ACACIA ACINACEA.

Lindley in Mitchell's Three Expeditions ii. 267 (1838).

- 1, phyllodia.
- 2, young flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



Acacia acinacea Lindley.



ACACIA MICROCARPA.

F. v. M. Second General Report 7 (1854).

- 1, portion of a phyllodium.
- 2, young flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

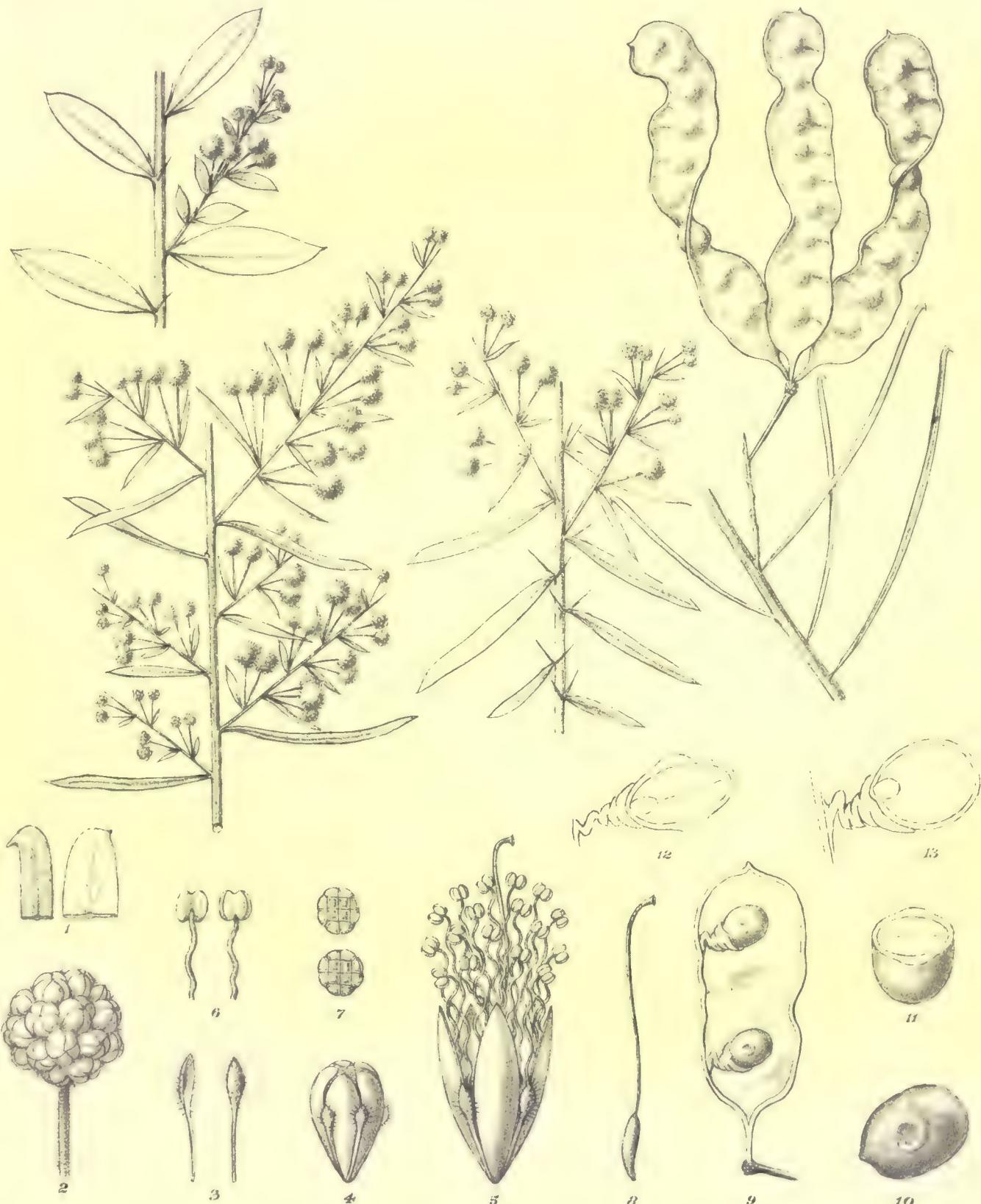




ACACIA SENTIS.

F. v. M. Second General Report II (1854).

- 1, portions of phyllodia.
- 2, young flower-head.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
All enlarged, but to various extent.





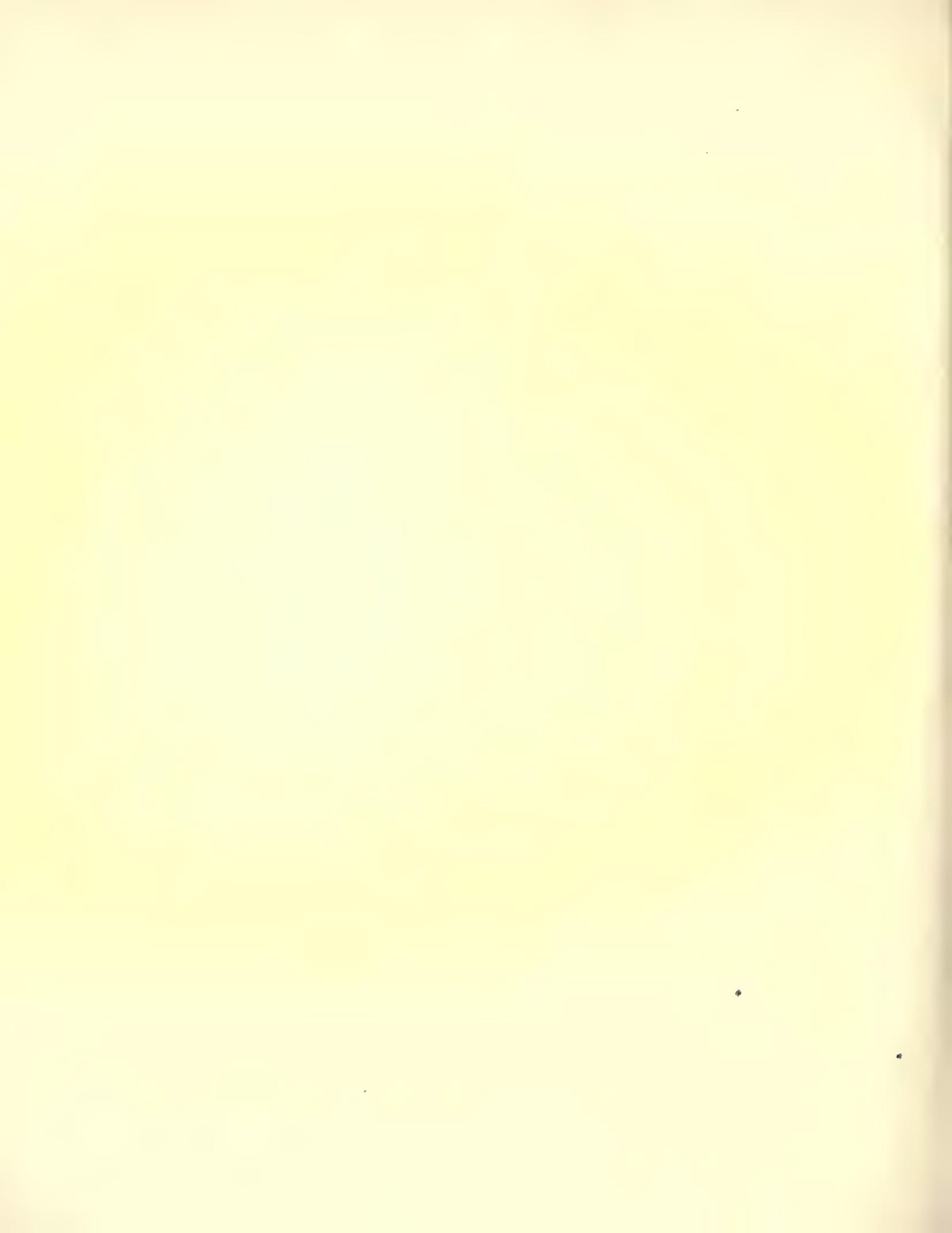
ACACIA FASCICULIFERA.

F. v. M. in Bentham's Flora Australiensis ii. 361 (1864).

- 1, young flower-head.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, front- and back-view of a stamen.
- 6, pollen-grains.
- 7, pistil.
- 8, lower portion of a fruit-valve with seeds.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.





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"SED GAUDEBITIS ET EXULTABITIS USQUE AD SEMPERNUTM IN HIB, QUÆ DEUS CREABAT."—*Prophetia Isaiae*, Ixv. 1s.

FIFTH DECADE.

BY AUTHORITY:

ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

1887.

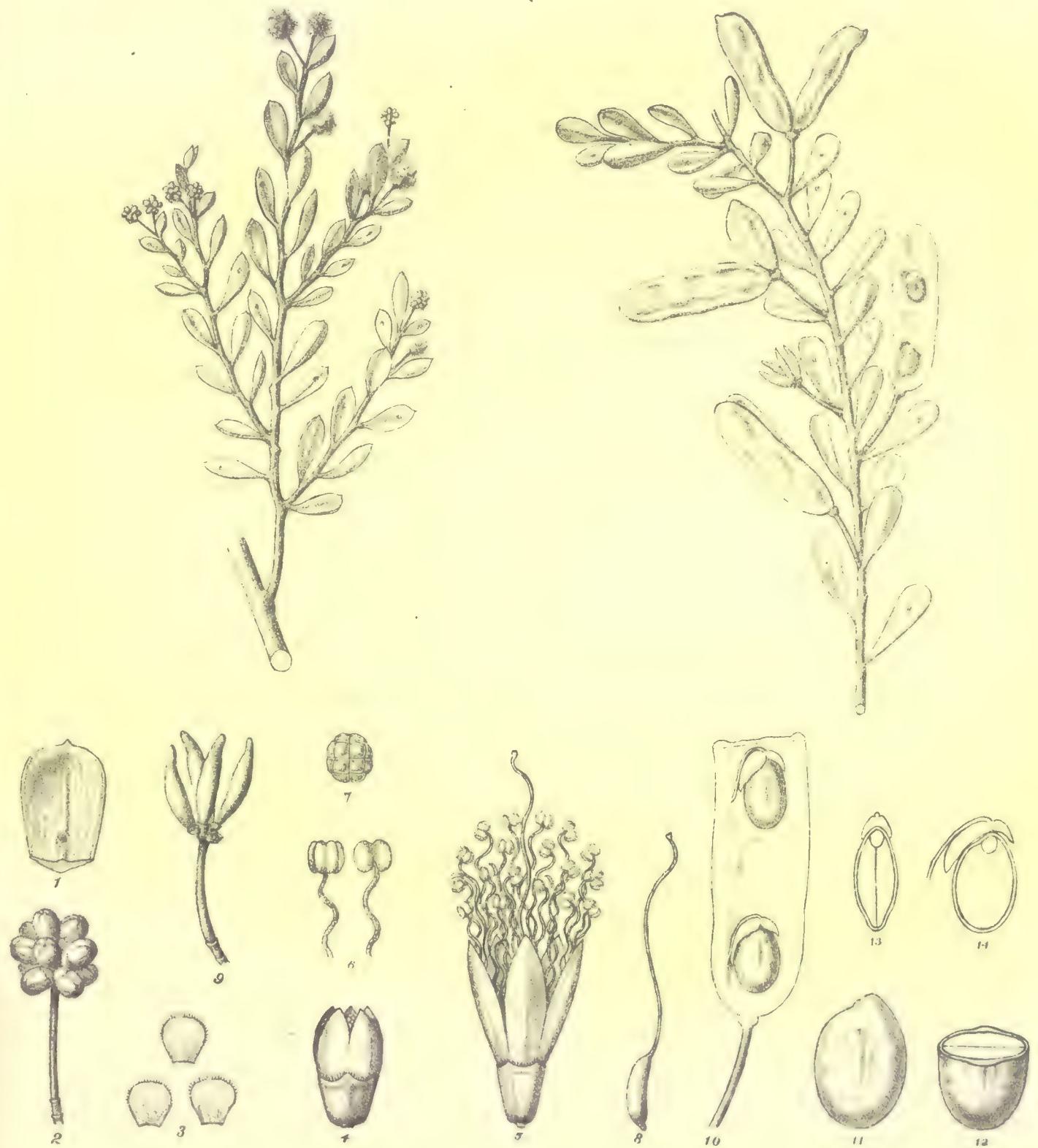


ACACIA SPATULATA.

F. v. M. in Bentham's Flora Australiensis ii. 356 (1864).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, an unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, young fruits.
- 10, lower portion of a fruit-valve with seeds.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA WATTSIANA.

F. v. M. in Bentham's Flora Australiensis ii. 374 (1864).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4 and 5, unexpanded flowers.
- 6, expanded flower.
- 7, front- and back-view of a stamen.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
All enlarged, but to various extent.

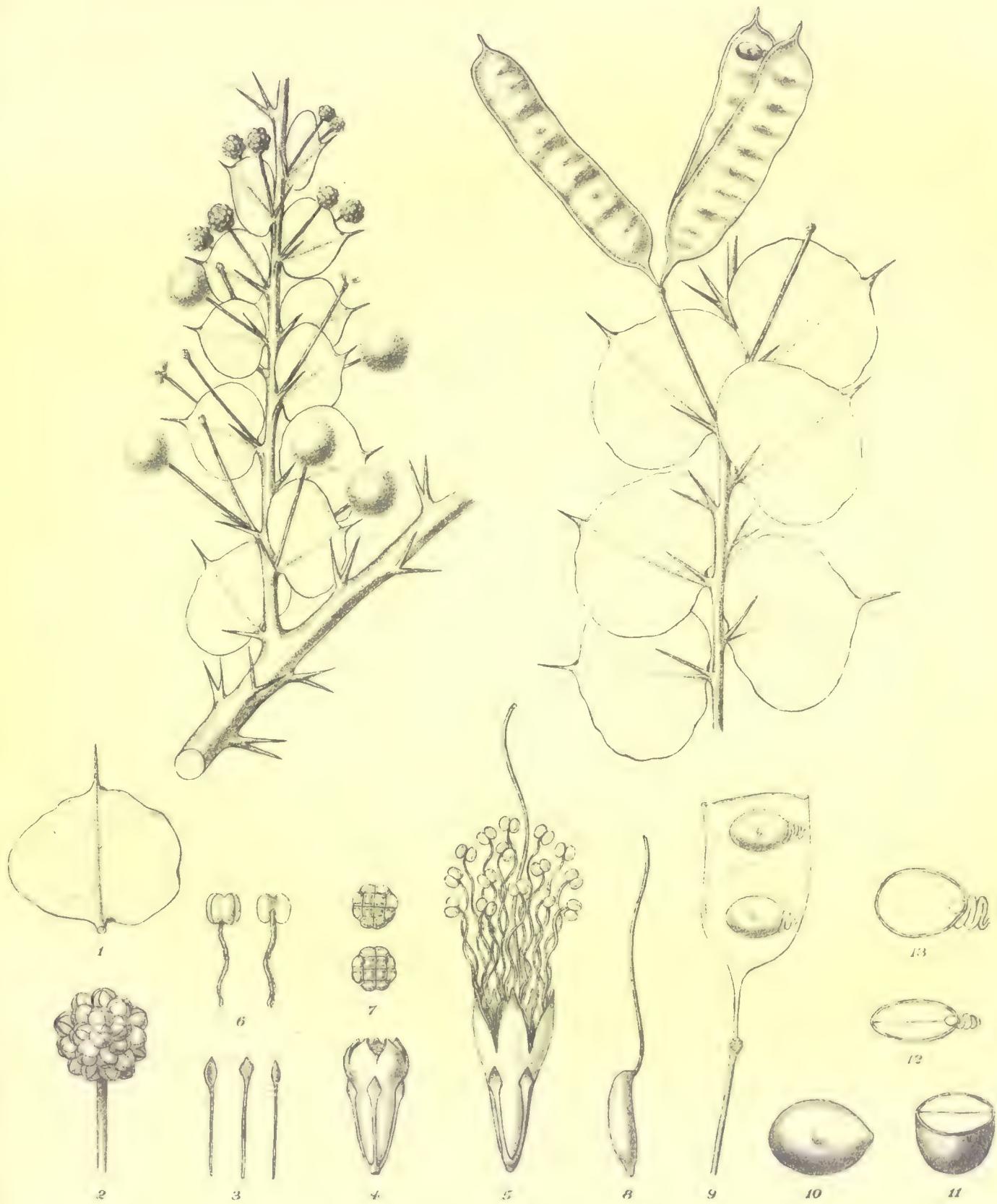


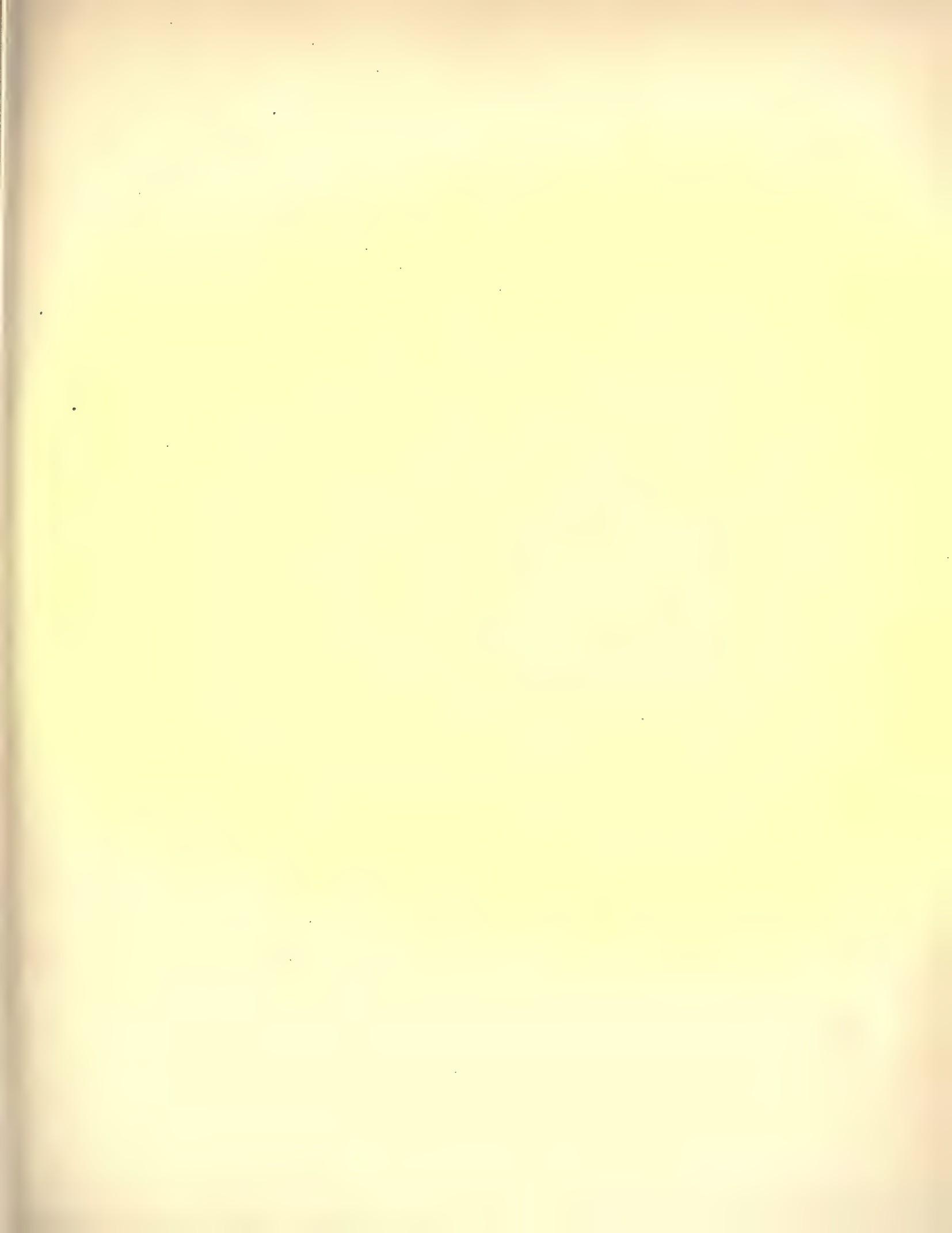


ACACIA STRONGYLOPHYLLA.

F. v. M. fragmenta phytographiæ Australiæ viii. 226 (1874).

- 1, a phyllodium.
 - 2, head of unexpanded flowers.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanded flower.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grains.
 - 8, pistil.
 - 9, lower portion of fruit-valve with seeds.
 - 10, a seed separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All except 1 enlarged, but to various extent.





ACACIA PYRIFOLIA.

De Candolle, Mémoire sur la famille des Légumineuses 447 (1825).

- 1, head of unexpanded flowers.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, front- and back-view of a stamen.
- 6, pollen-grains.
- 7, pistil.
- 8, lower portion of a fruit-valve with seeds.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA NOTABILIS.

F. v. M. fragmenta phytographiæ Australiæ i. 6 (1858).

- 1, portion of a phyllodium.
 - 2, head of unexpanded flowers.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanding flower.
 - 6, fully expanded flower.
 - 7, front- and back-view of a stamen.
 - 8, pollen-grains.
 - 9, pistil.
 - 10, lower portion of a fruit-valve with seeds.
 - 11, a seed separated.
 - 12, transverse section of a seed.
 - 13 and 14, longitudinal sections of seeds.
- All except 1 enlarged, but to various extent.





ACACIA LEPTOPETALA.

Bentham in Schlechtendal's *Linnæa* xxvi. 619 (1853).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanding flower.
- 6, fully expanded flower.
- 7, front- and back-view of a stamen.
- 8, pollen-grains.
- 9, pistil.
- 10, lower portion of a fruit-valve with seeds.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA MACRADENIA.

Bentham in Mitchell's Tropical Australia 360 (1848).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, expanded flower.
- 4, front- and back-view of a stamen.
- 5, pollen-grains.
- 6, pistil.
- 7, lower portion of a fruit-valve with seeds.
- 8, a seed separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA HARVEYI.

Bentham, Flora Australiensis ii. 368 (1864).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pistil.
- 8, lower portion of a fruit-valve with a seed.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA RETINODES.

Schlechtendal, Linnæa xx. 664 (1847).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA HAKEOIDES.

A. Cunningham in Hooker's London Journal of Botany i. 354 (1842).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanding flower.
- 6, fully expanded flower.
- 7, front- and back-view of a stamen.
- 8, pollen-grains.
- 9, pistil.
- 10, lower portion of a fruit-valve with seeds.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.



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SIXTH DECADE.

BY AUTHORITY:

ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

1887.



ACACIA ITEAPHYLLA.

F. v. M. in Schlechtendal's Linnæa xxvi. 617 (1853).

- 1, upper portion of a phyllodium.
 - 2, a young flower-head with its clasping bract.
 - 3, head of unexpanded flowers.
 - 4, bracts.
 - 5, unexpanded flower.
 - 6, expanded flower.
 - 7, front- and back-view of a stamen.
 - 8, pollen-grain.
 - 9, pistil.
 - 10, lower portion of a fruit-valve with a seed.
 - 11, a seed separated.
 - 12, transverse section of a seed.
 - 13 and 14, longitudinal sections of seeds.
- All enlarged, but to various extent.



ACACIA GRAFFIANA.

F. v. M. in Melbourne Chemist, new series, ii. 118 (1887).

- 1, upper portion of a phyllodium.
- 2, young flower-head, enclosed by its bracts.
- 3, head of unexpanded flowers.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



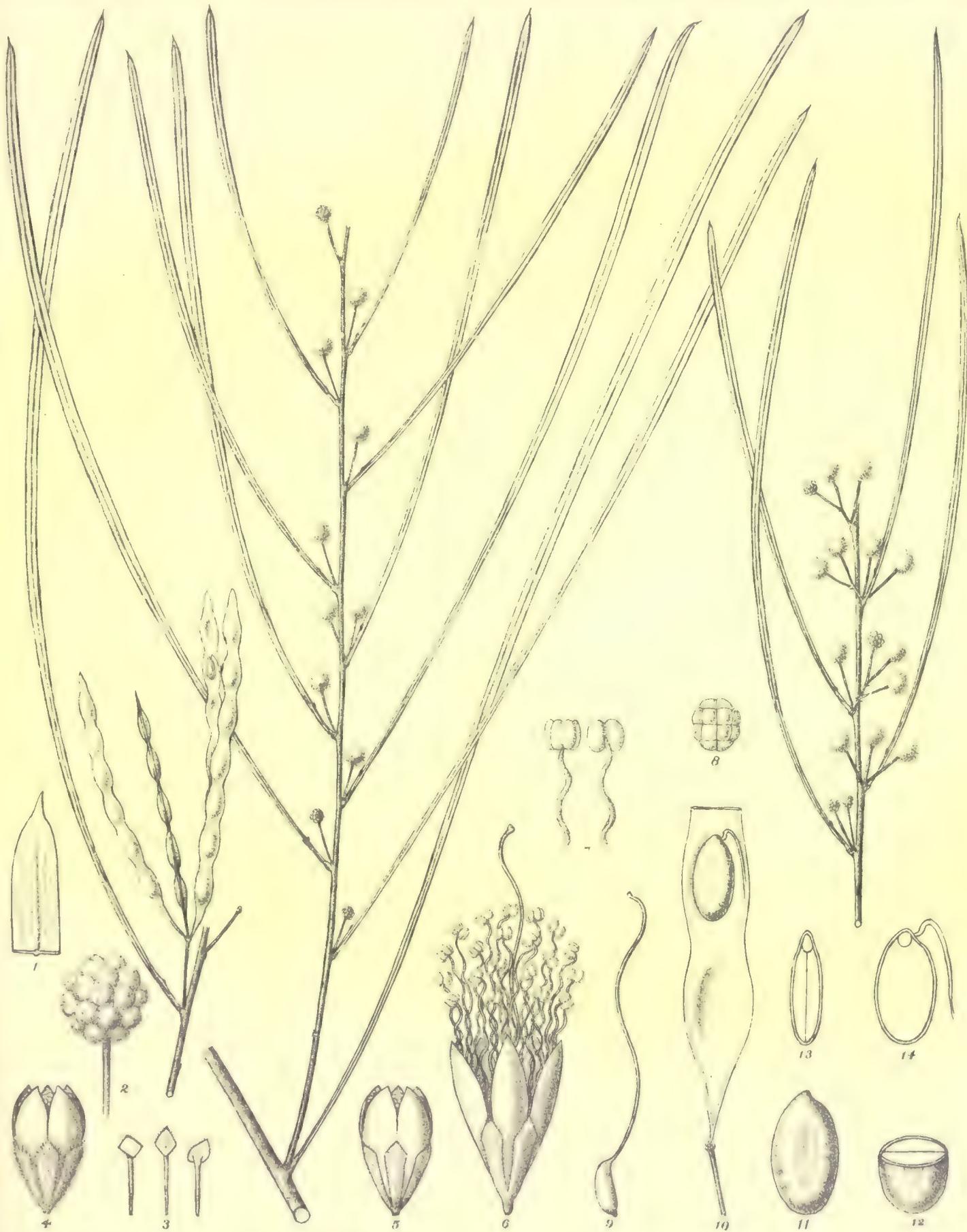
Acacia Graffiana FvM



ACACIA DIETRICHIANA.

F. v. M. in Melbourne Chemist, July 1882.

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4 and 5, unexpanded flowers.
- 6, expanded flower.
- 7, front- and back-view of stamens.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.





ACACIA PRÆLONGATA.

F. v. M. in Melbourne Chemist iii. (1883).

- 1, portions of phyllodia.
- 2, head of unexpanded flowers with its bracteate stalk.
- 3, floral bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA STENOPHYLLA.

A. Cunningham in Hooker's London Journal i. 366 (1842).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of stamens.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA CORIACEA.

De Candolle, Mémoire sur la famille des Légumineuses 446 (1825).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA HOMALOPHYLLA.

A. Cunningham in Hooker's London Journal i. 365 (1842).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of stamens.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA PENDULA.

A. Cunningham in Loudon, hortus Britannicus 490 (1830).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA HARPOPHYLLA.

F. v. M. in Bentham's Flora Australiensis ii. 389 (1864).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
- 14, radicle, plumule and part of albumentum.

All enlarged, but to various extent.





ACACIA OSSWALDI.

F. v. M. plants of Victoria ii. 27 (1860).

- 1, portion of a phyllodium.
 - 2, head of unexpanded flowers.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanded flower.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with a seed.
 - 10, a seed separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.



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SEVENTH DECADE.

BY AUTHORITY:

ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

1887.

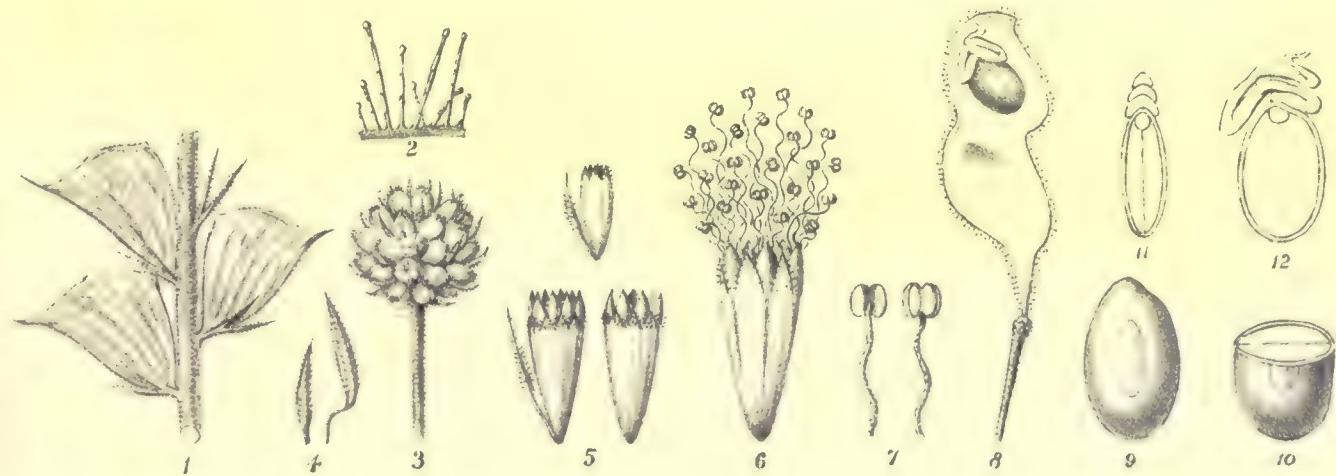


ACACIA STIPULOSA.

F. v. M. in Journal of the Linnean Society iii. 119 (1858).

- 1, portion of a branchlet with phyllodia and stipules.
- 2, glandular hairlets.
- 3, head of unexpanded flowers.
- 4, bracts.
- 5, two unexpanded flowers.
- 6, expanded flower.
- 7, back- and front-view of stamens.
- 8, lower portion of fruit-valve with a seed.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.

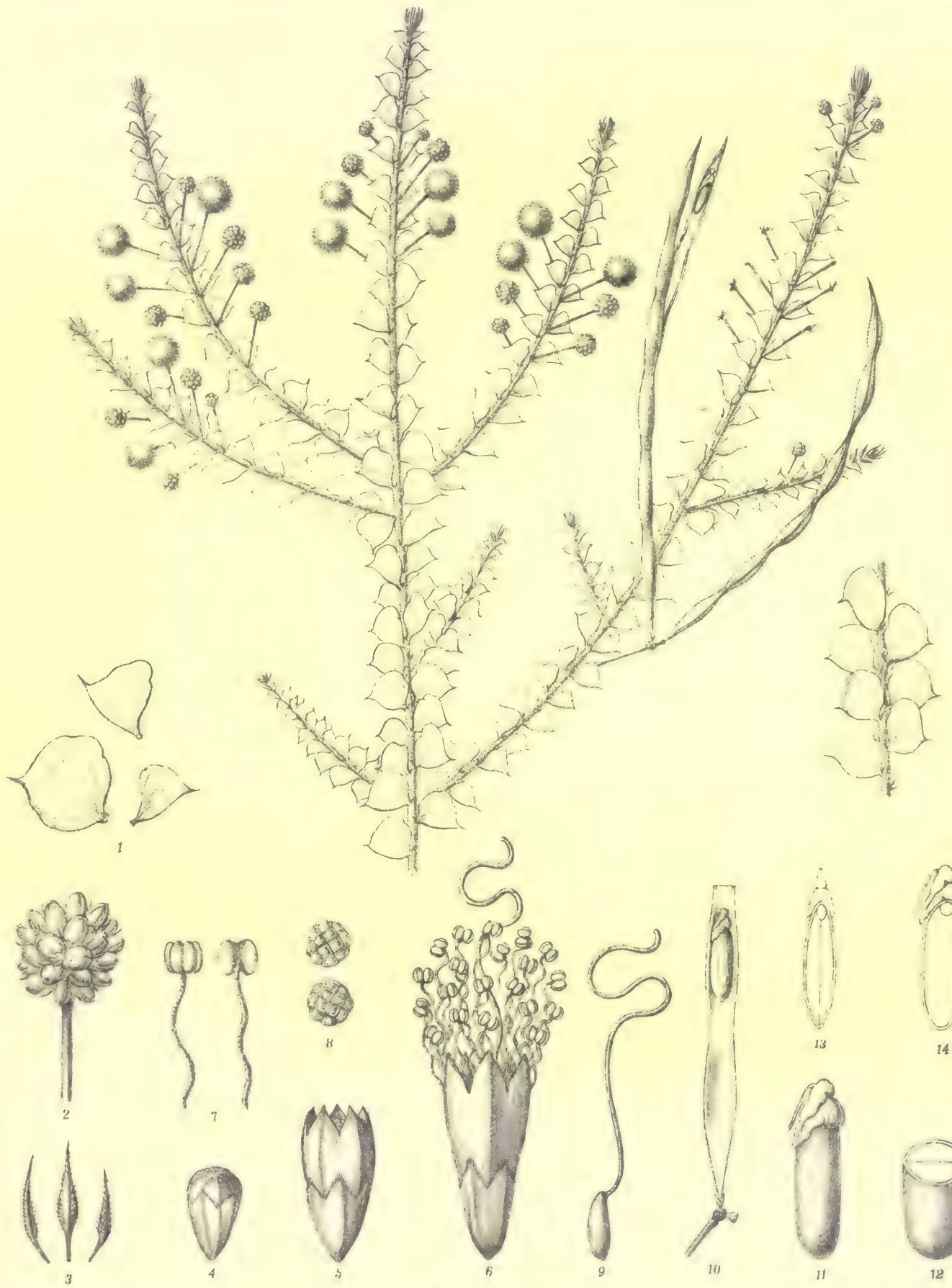




ACACIA LUEHMANNI.

F. v. M. fragmenta phytographiæ Australiæ xi. 116 (1881).

- 1, phyllodia.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanding flower.
- 6, fully expanded flower.
- 7, front- and back-view of stamens.
- 8, pollen-grains.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.



Acacia Luehmannii F.v.M.



ACACIA AMBLYGONA.

A. Cunningham in Hooker's London Journal of Botany i. 332 (1842).

- 1, portion of branchlet with stipules and a stalked head of unexpanded flowers.
- 2, phyllodia.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of stamens.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of fruit-valve with seeds.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA SCALPELLIFORMIS.

Meissner in Lehmann's Plantæ Preissianæ ii. 200 (1847).

- 1, a phyllodium.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, front- and back-view of stamens.
- 6, pistil.
- 7, lower portion of fruit-valve with a seed.
- 8, a seed separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.

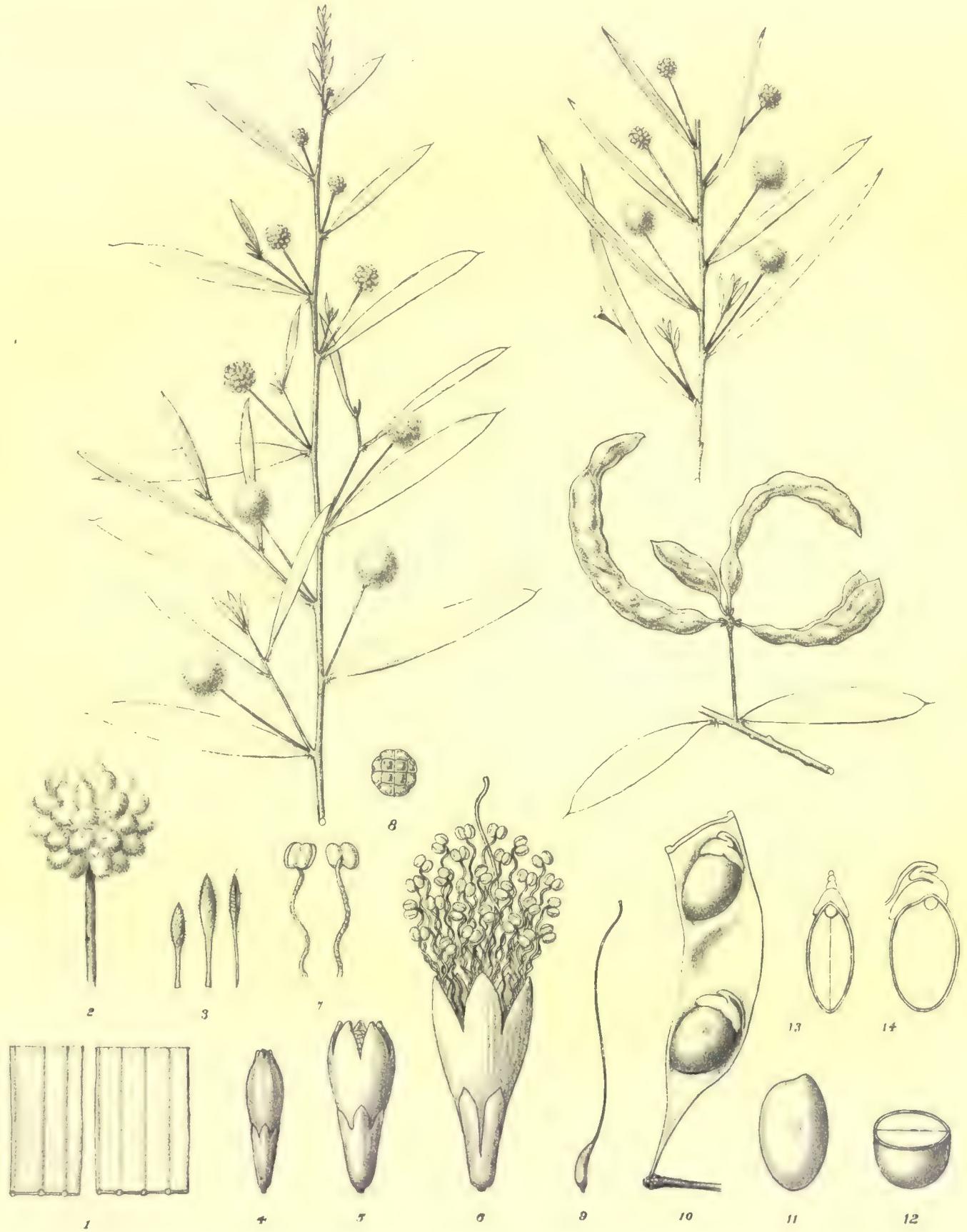




ACACIA PHLEBOCARPA.

F. v. M. in the Journal of the Linnean Society iii. 119 (1858).

- 1, portions of phyllodia.
 - 2, head of unexpanded flowers.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanding flower.
 - 6, fully expanded flower.
 - 7, front- and back-view of stamens.
 - 8, pollen-grain.
 - 9, pistil.
 - 10, lower portion of fruit-valve with seeds.
 - 11, a seed separated.
 - 12, transverse section of a seed.
 - 13 and 14, longitudinal sections of seeds.
- All enlarged, but to various extent.







ACACIA IMPRESSA.

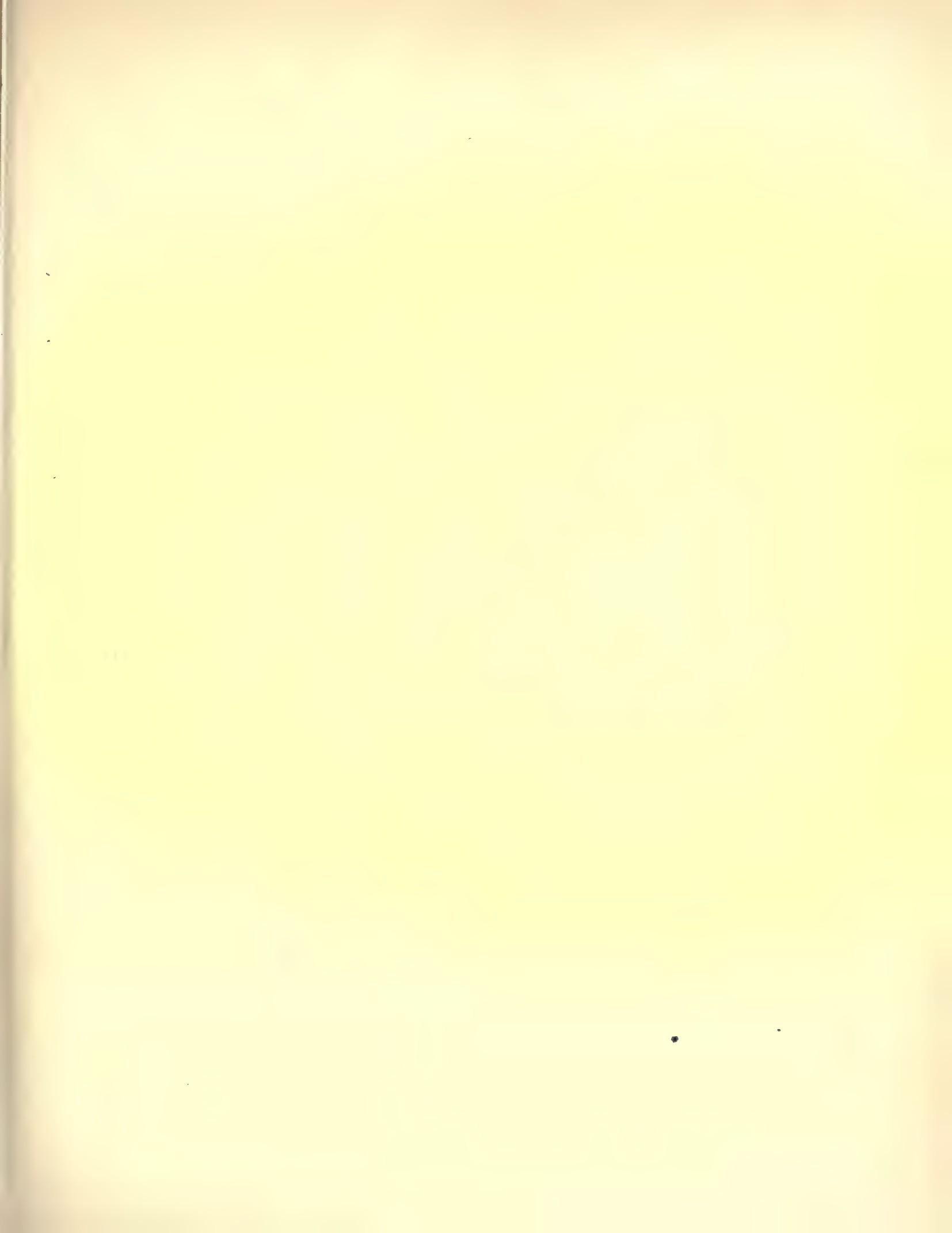
F. v. M. in the Journal of the Linnean Society iii. 133 (1858).

- 1, portions of phyllodia.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, back- and front-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.



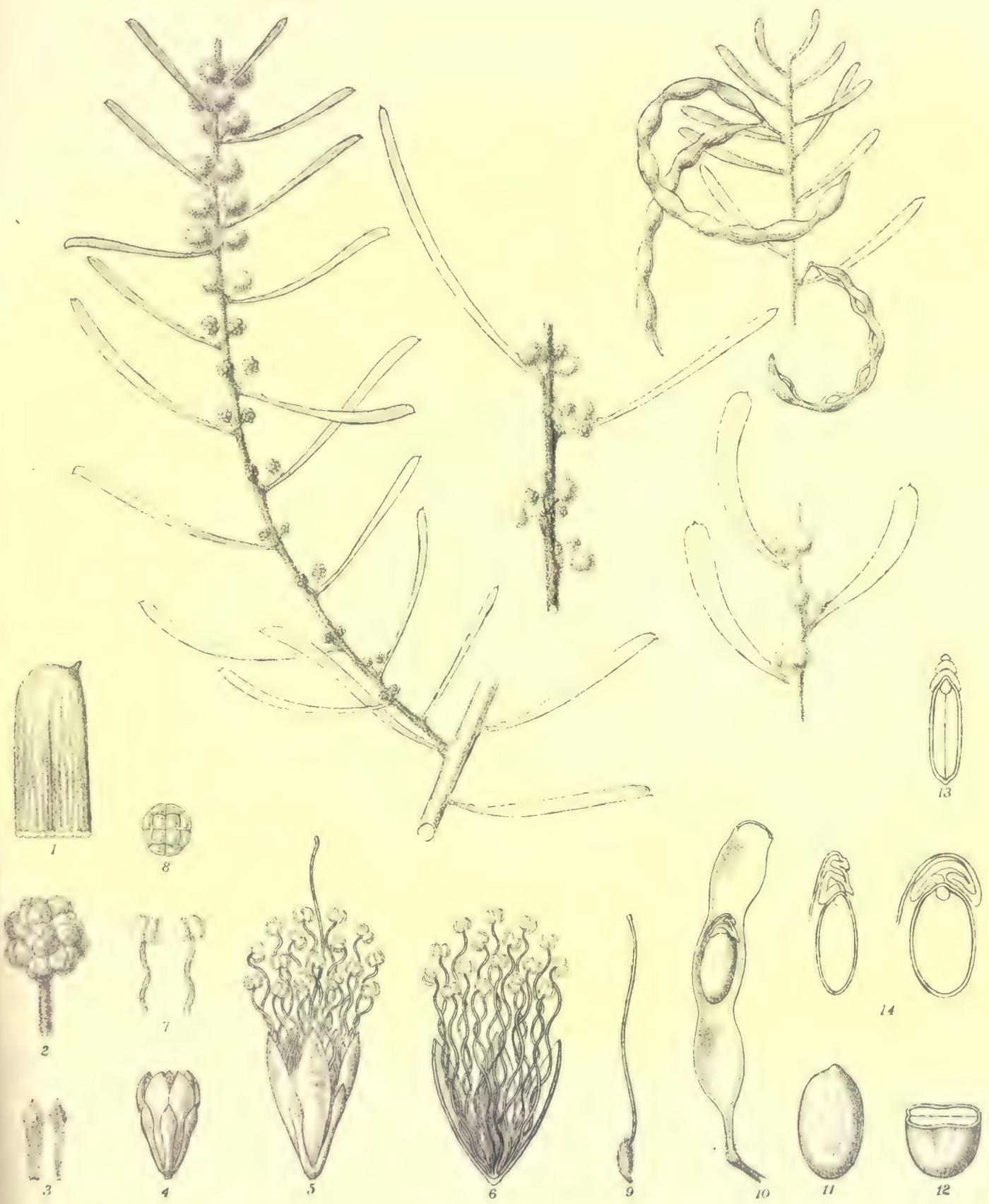




ACACIA FARINOSA.

Lindley in Mitchell's Three Expeditions ii. 145 (1838).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, longitudinal section of an expanded flower.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.





ACACIA SUBPOROSA.

F. v. M. Plants of Victoria ii. 24 (1860).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA HETEROCLITA.

Meissner in Lehmann's Plantæ Preissianæ i. 318 (1845).

- 1, portion of phyllodia.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, back- and front-view of stamens.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA SIMSII.

A. Cunningham in Hooker's London Journal of Botany i. 368 (1842).

- 1, portion of phyllodia.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanding flower.
- 6, fully expanded flower.
- 7, back- and front-view of a stamen.
- 8, pollen-grains.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed.
- 11, two seeds separated.
- 12, transverse sections of seeds.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.





ICONOGRAPHY

OF

AUSTRALIAN SPECIES OF ACACIA

AND

COGNATE GENERA,

BY

BARON FERD. VON MUELLER, K.C.M.G., M. & PH.D., F.R.S.,

GOVERNMENT BOTANIST OF THE COLONY OF VICTORIA.

"SED GAUDEBITIS ET EXULTABITIS USQUE AD SEMPERIUM IN IHS, QUE DEUS CREABAT."—*Prophetia Isaiae*, lxxv. 18.

EIGHTH DECADE.

BY AUTHORITY:

ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

1887.



ACACIA ORARIA.

F. v. M. fragmenta phytographiae Australiae xi. 66 (1879).

- 1, a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, transverse section of a seed.
- 11, a seed separated.
- 12 and 13, longitudinal sections of seeds.

All except 1 enlarged, but to various extent.





ACACIA IMPLEXA.

Bentham in Hooker's London Journal i. 368 (1842).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grains.
- 8, pistil.
- 9, lower portion of a fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



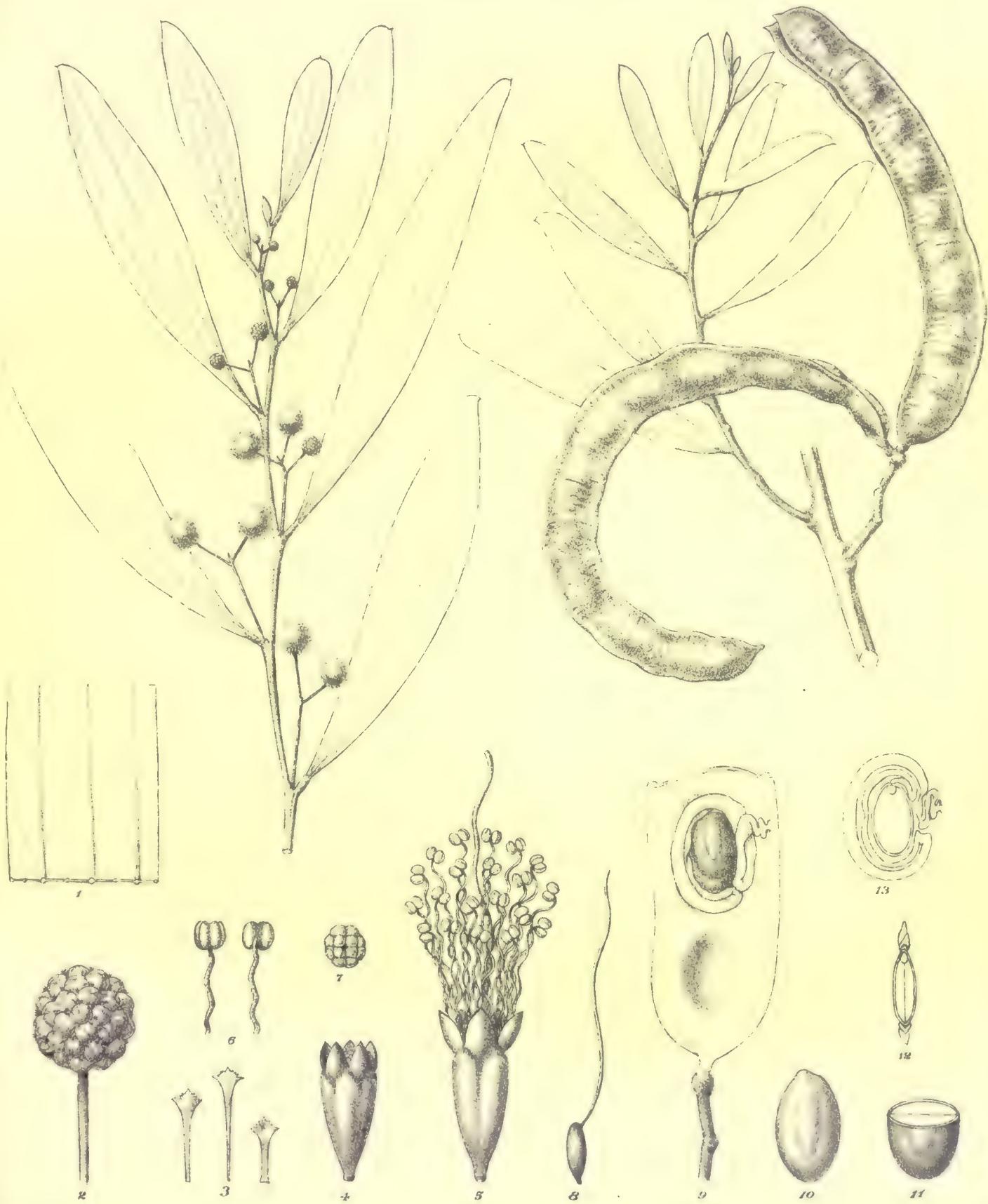


ACACIA CYCLOPIS.

A. Cunningham in Loudon's *hortus Britannicus* 407 (1830).

- 1, portion of a phyllodium.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA TRINEURA.

F. v. M. Plants of Victoria ii. 25 (1860).

- 1, portion of a phyllodium.
 - 2, head of unexpanded flowers.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanded flower.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with seed.
 - 10, a seed separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.

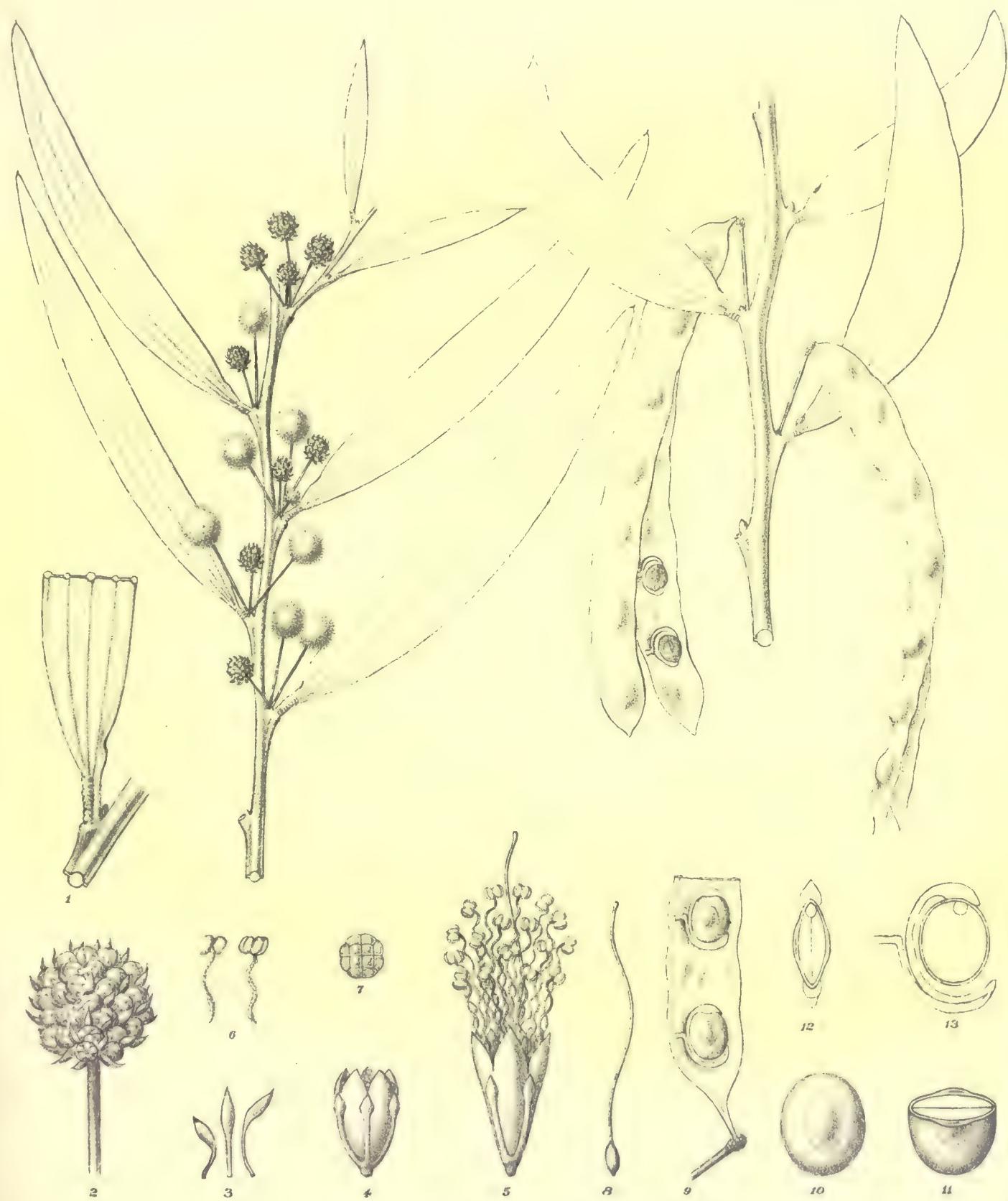




ACACIA HOMALOCLADA.

F. v. M. fragmenta phytographiae Australiae xi. 34 (1878).

- 1, portion of a phyllodium.
 - 2, head of unexpanded flowers.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanded flower.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with seeds.
 - 10, a seed separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.



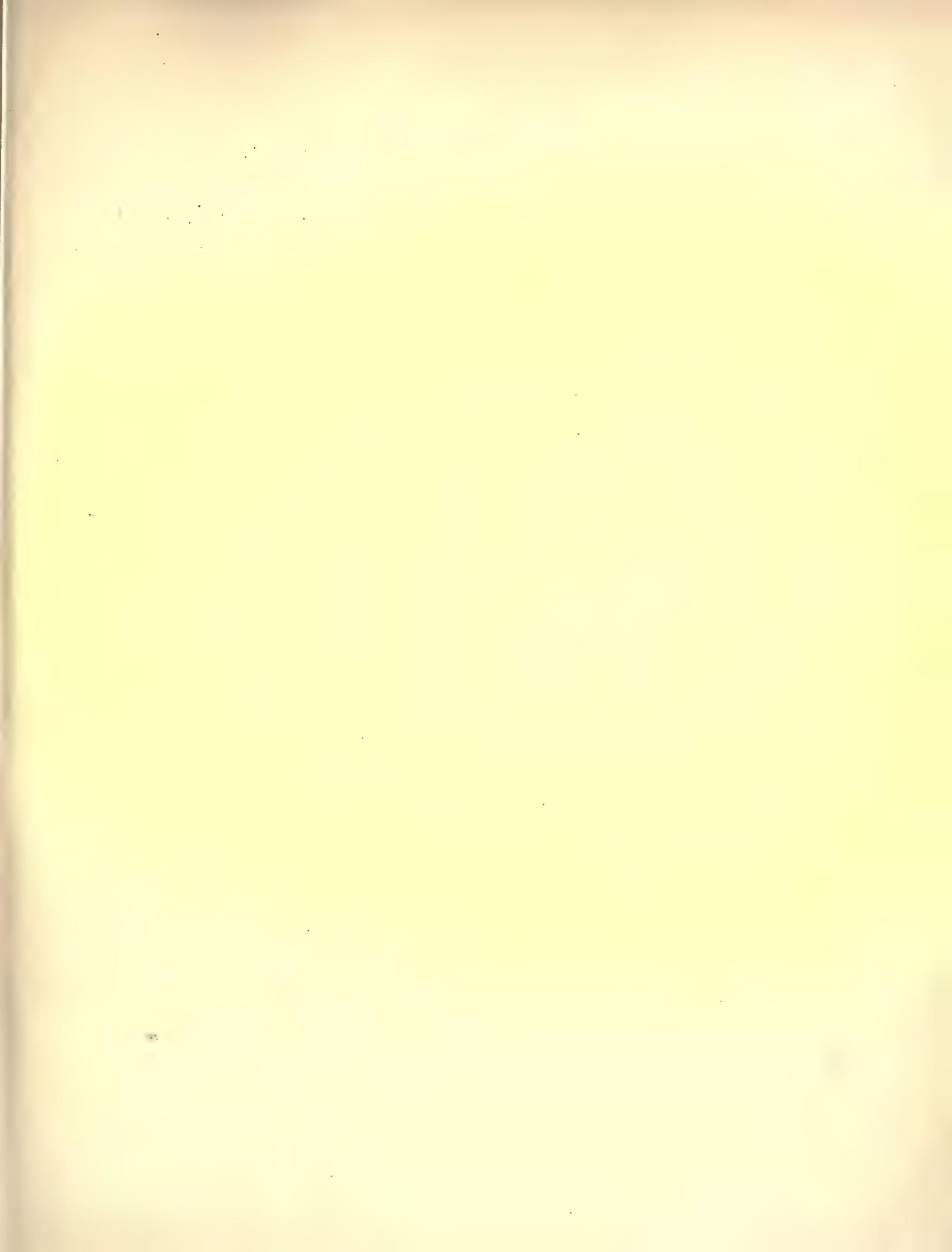
ACACIA HEMIGNOSTA.

F. v. M. in Journal of the Linnean Society iii. 134 (1858).

- 1, portion of a phyllodium.
 - 2, head of unexpanded flowers.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanded flower.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with seed.
 - 10, a seed separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.



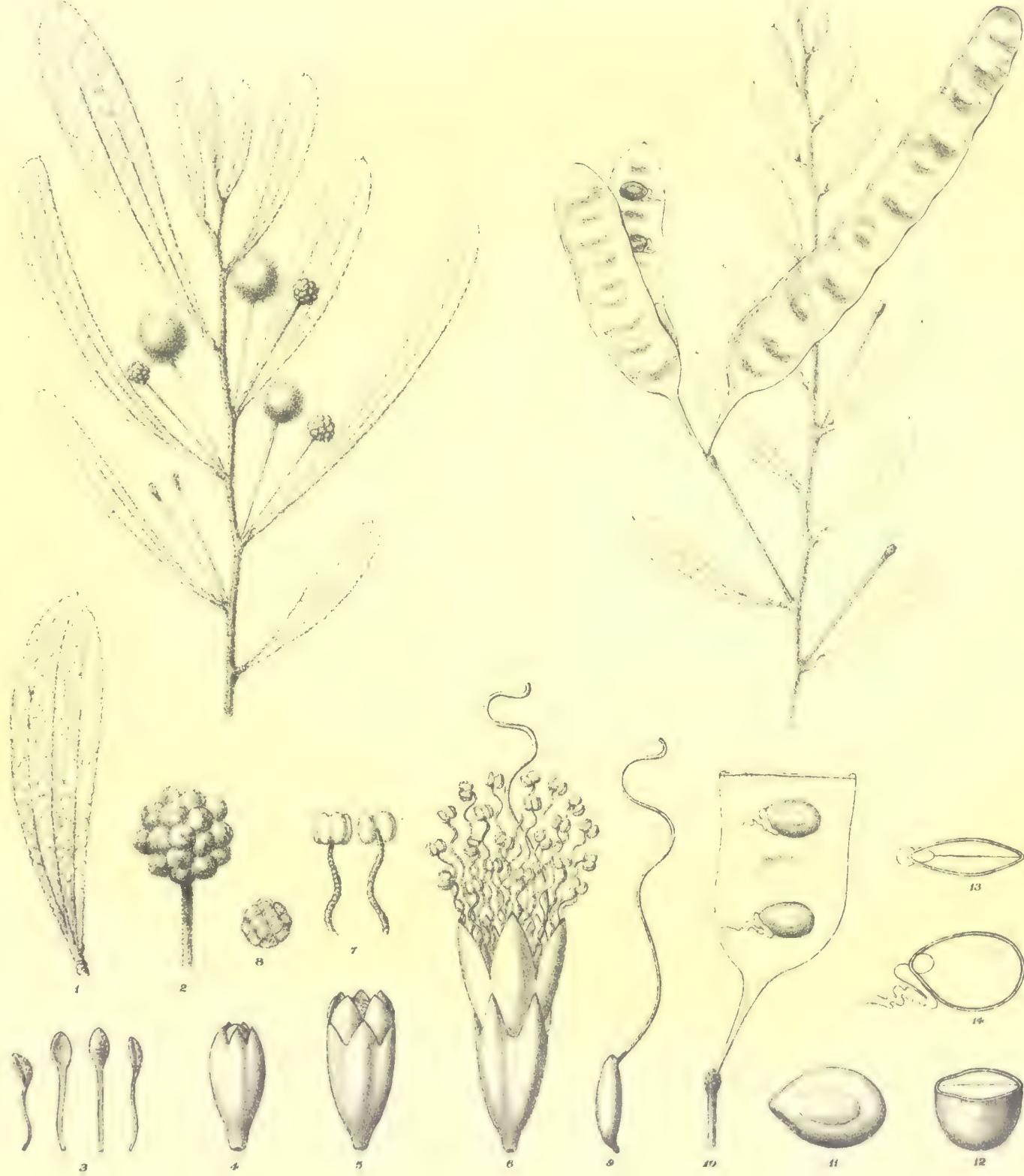




ACACIA DICTYOPHLEBA.

F. v. M. fragmenta phytographiae Australiae iii. 128 (1863).

- 1, a phyllodium.
 - 2, head of unexpanded flowers.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanding flower.
 - 6, fully expanded flower.
 - 7, front- and back-view of a stamen.
 - 8, pollen-grain.
 - 9, pistil.
 - 10, lower portion of a fruit-valve with seeds.
 - 11, a seed separated.
 - 12, transverse section of a seed.
 - 13 and 14, longitudinal sections of seeds.
- All enlarged, but to various extent.

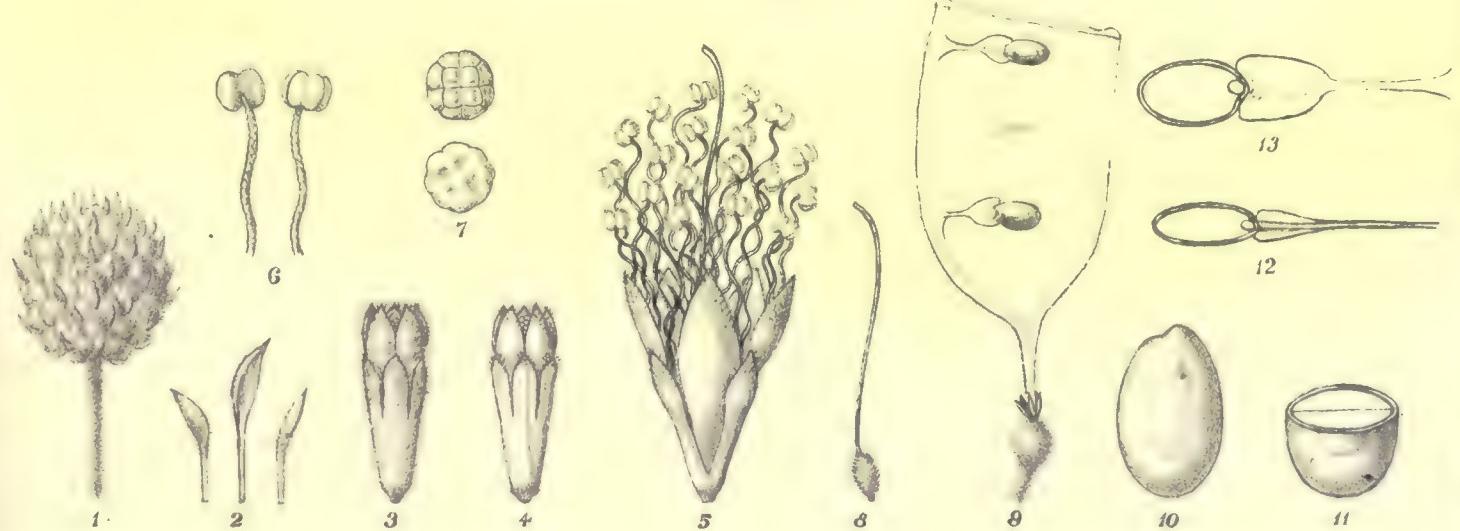




ACACIA RETIVENEA.

F. v. M. fragmenta phytographiae Australiae iii. 128 (1863).

- 1, head of unexpanded flowers.
 - 2, bracts.
 - 3 and 4, unexpanded flowers.
 - 5, expanded flower.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grains.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with seeds.
 - 10, a seed separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.



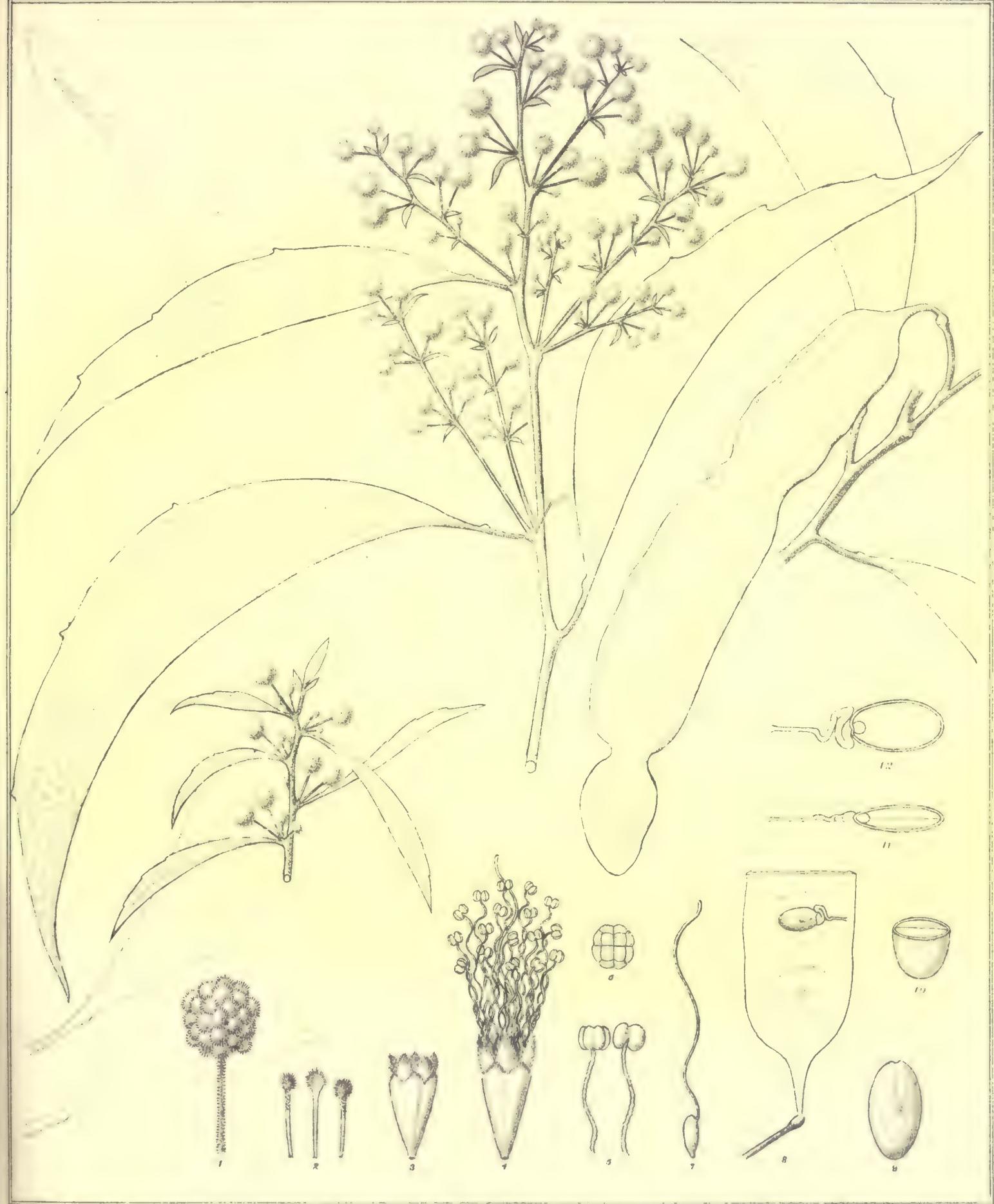


ACACIA FLAVESCENS.

A. Cunningham in Hooker's London Journal i. 381 (1842).

- 1, head of unexpanded flowers.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, front- and back-view of a stamen.
- 6, pollen-grain.
- 7, pistil.
- 8, lower portion of a fruit-valve with seed.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA DINEURA.

F. v. M. in Journal of the Linnean Society iii. 130 (1858).

- 1, portions of phyllodia.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



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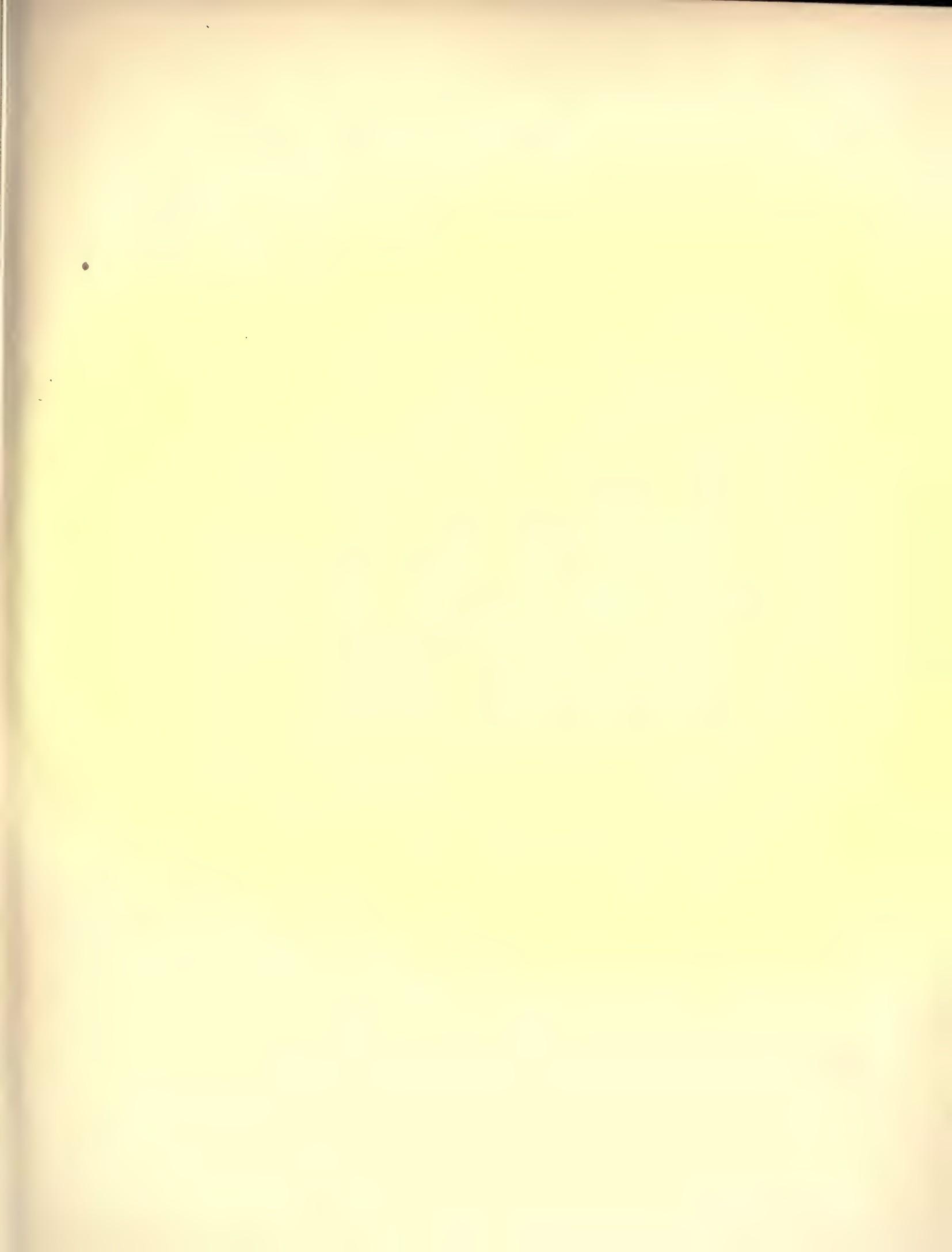
"SED GAUDEBITIS ET EXULTABITIS USQUE AD SEMPERNVM IN H[AB]E, Q[UA]E DEUS CREABAT."—*Prophetia Isaiae*, lxxv. 18.

NINTH DECADE.

BY AUTHORITY:

ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

1888.



ACACIA TRIPTERA.

Bentham in Hooker's London Journal of Botany i. 325 (1842).

- 1, portion of a branchlet.
- 2, flower-bud.
- 3, unexpanded flower.
- 4, expanded flower, perfect.
- 5, flower, laid open, staminate only.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



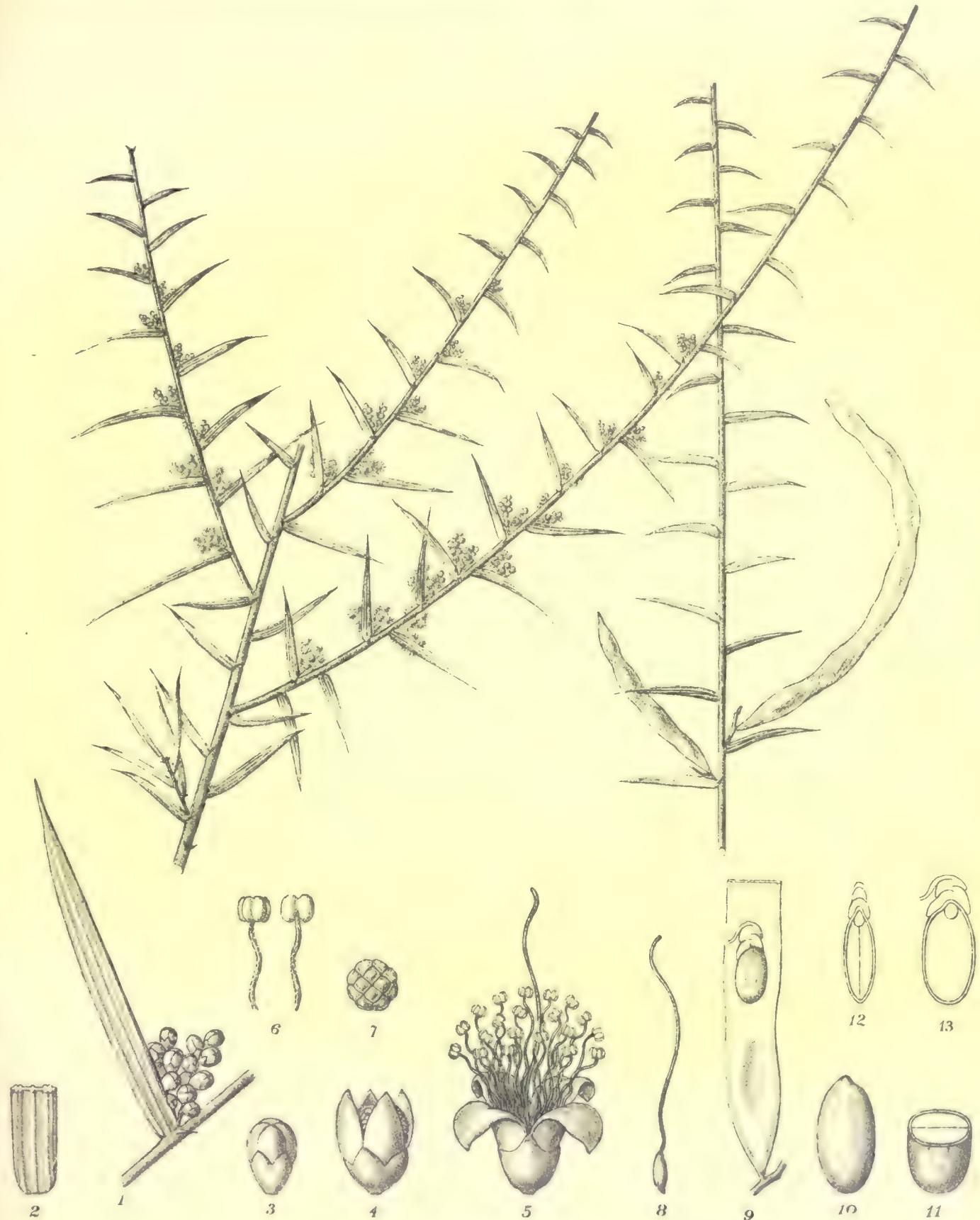


ACACIA RHIGIOPHYLLA.

F. v. M. in Schlechtendal's Linnaea xxvi. 611 (1853).

- 1, portion of a branchlet.
- 2, portion of a phyllodium.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



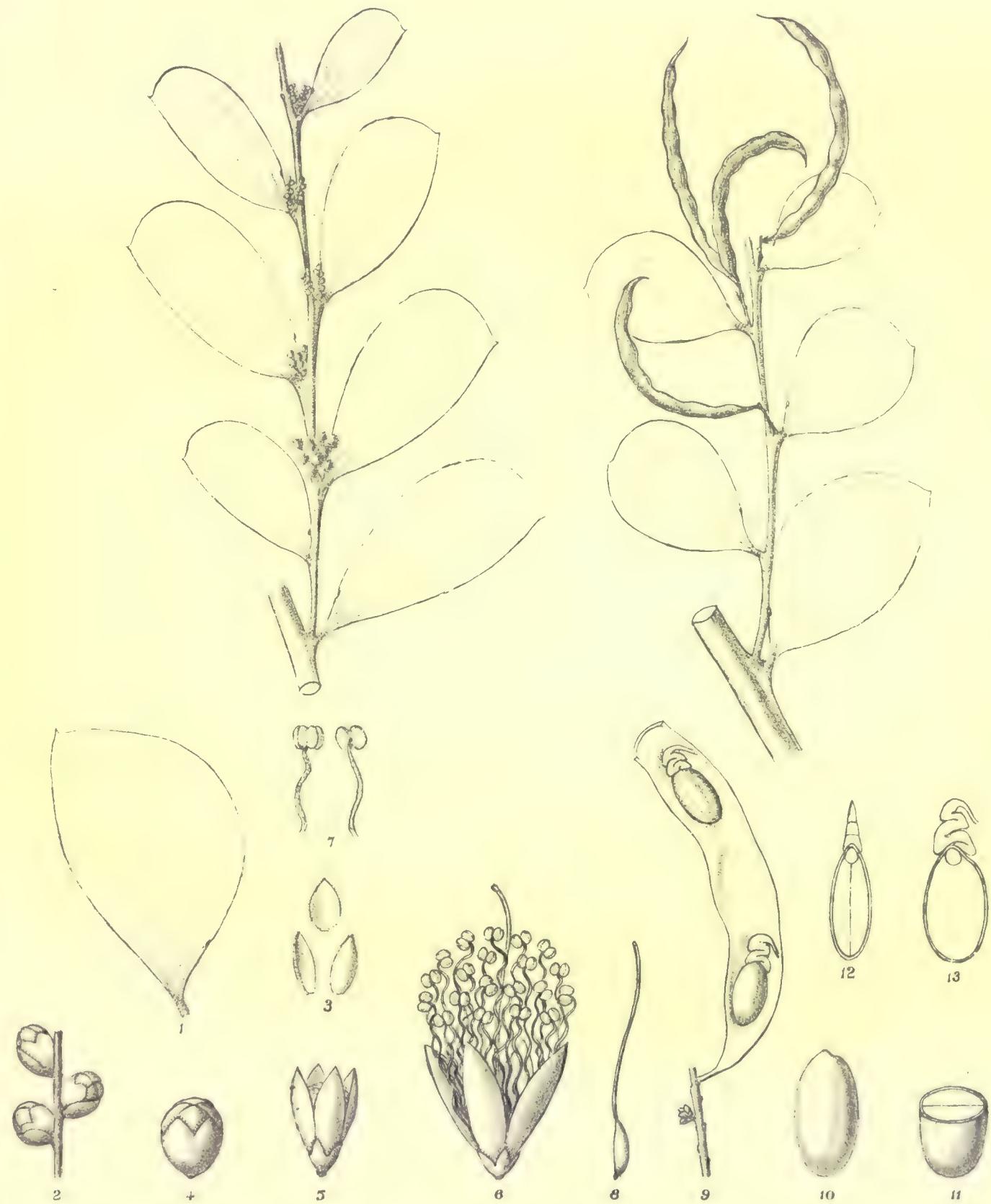


ACACIA ALPINA.

F. v. M. fragmenta phytographiae Australiae iii. 129 (1863).

- 1, a phyllodium.
- 2, portion of inflorescence.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded flower.
- 7, front- and back-view of a stamen.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA DALLACHIANA.

F. v. M. fragmenta phytographiae Australiae i. 7 (1858).

- 1, portion of a phyllodium.
 - 2, portion of a spike before expansion.
 - 3, portion of a spike, the flowers dropped.
 - 4, unexpanded flower.
 - 5, expanded flower.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with a seed.
 - 10, a seed, separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.



R Graff del. C Troedel & C° Lith.

FvM direxit

Steam Litho. Govt Printing Office Melb.

Acacia

Dallachiana

FvM



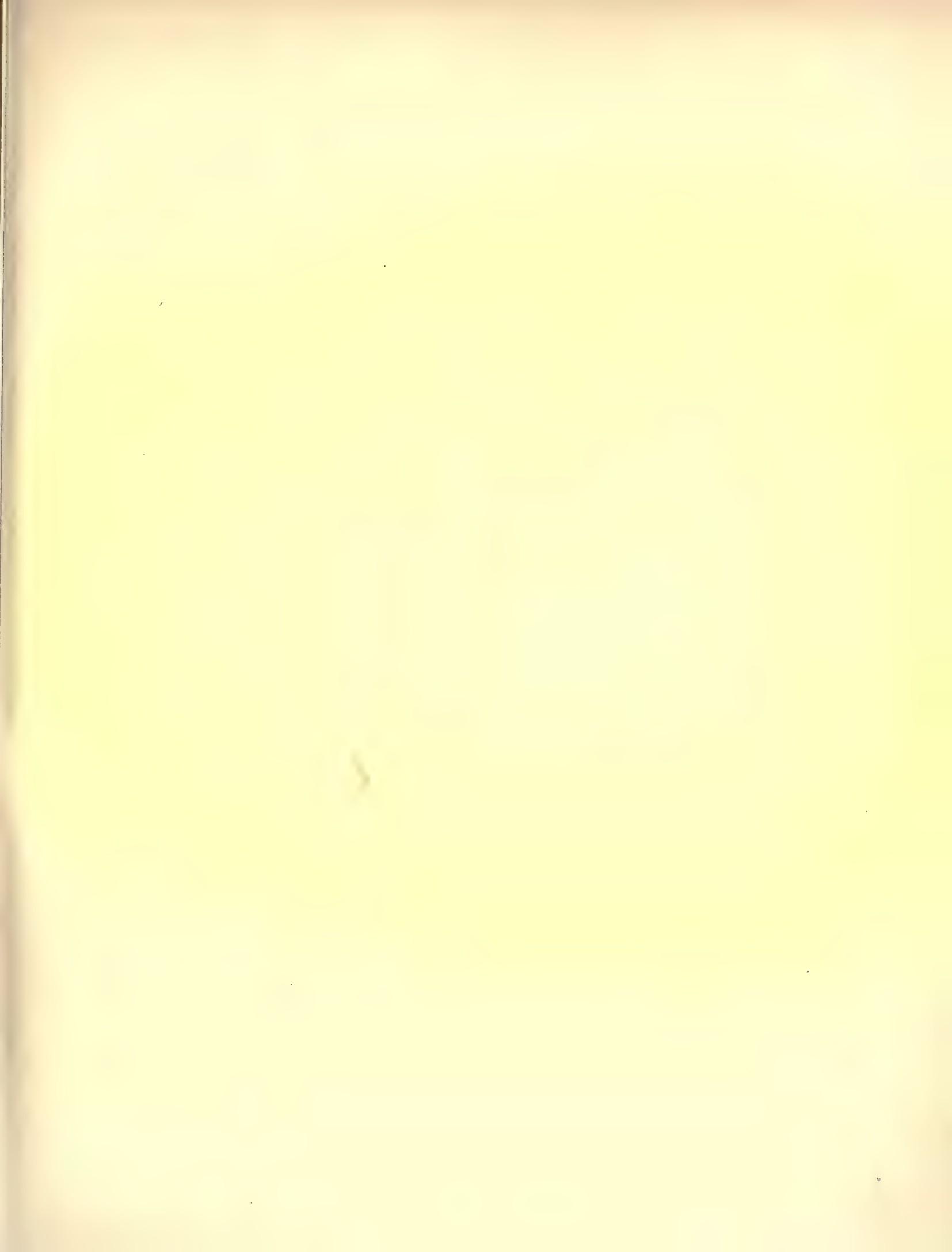
ACACIA COCHLIOCARPA.

Meissner in der Botanischen Zeitung 10 (1855).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, front- and back-view of a stamen.
- 6, pollen-grain.
- 7, pistil.
- 8, lower portion of a fruit-valve with a seed.
- 9, a seed, separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.





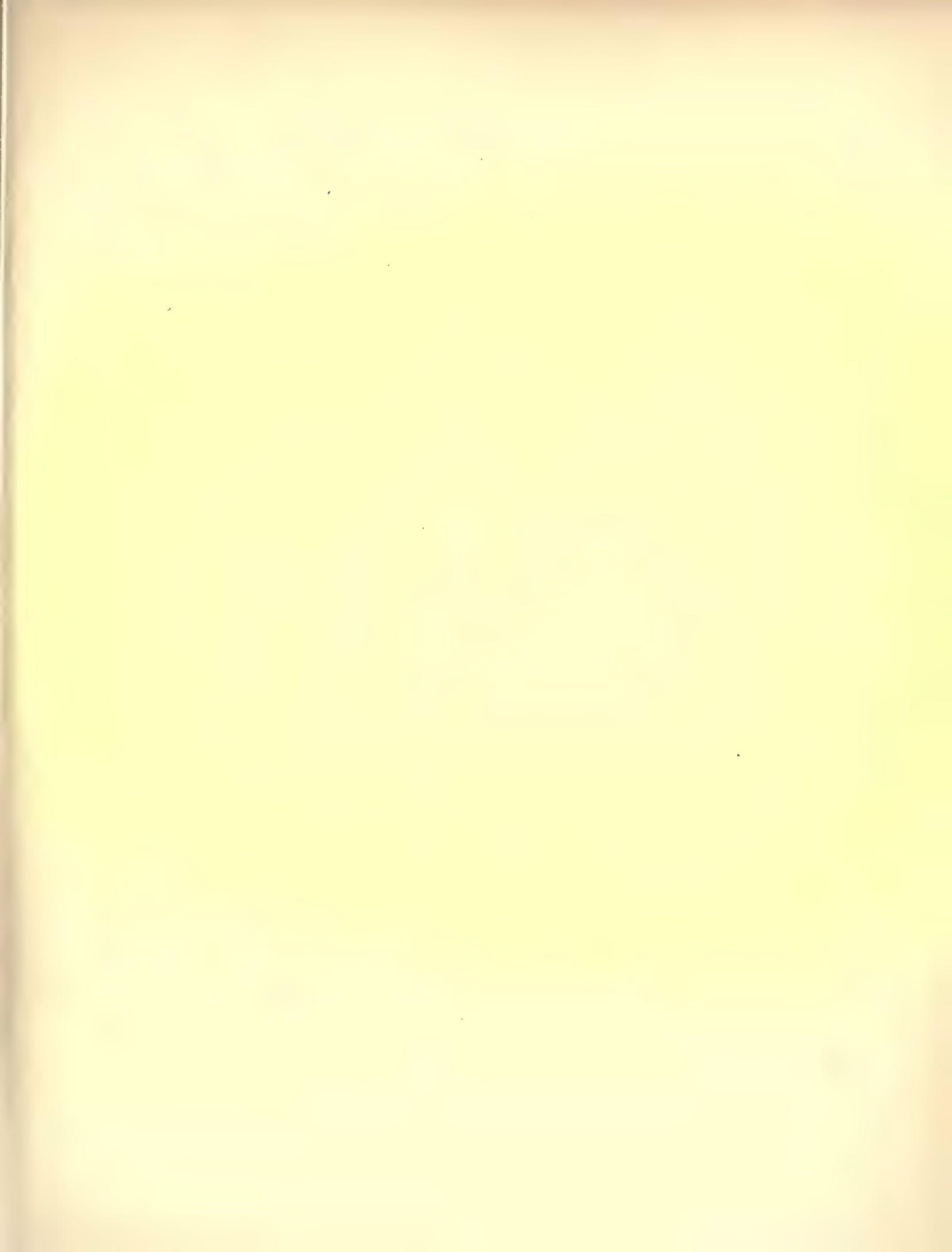
ACACIA CINCINNATA.

F. v. M. fragmenta phytographiae Australiae xi. 35 (1878).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower, perfect.
- 6, flower, laid open, staminate only.
- 7, front- and back-view of a stamen.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12, longitudinal section of a seed, showing the cotyledons.
- 13, longitudinal section of a seed, showing the funicle.

All enlarged, but to various extent.





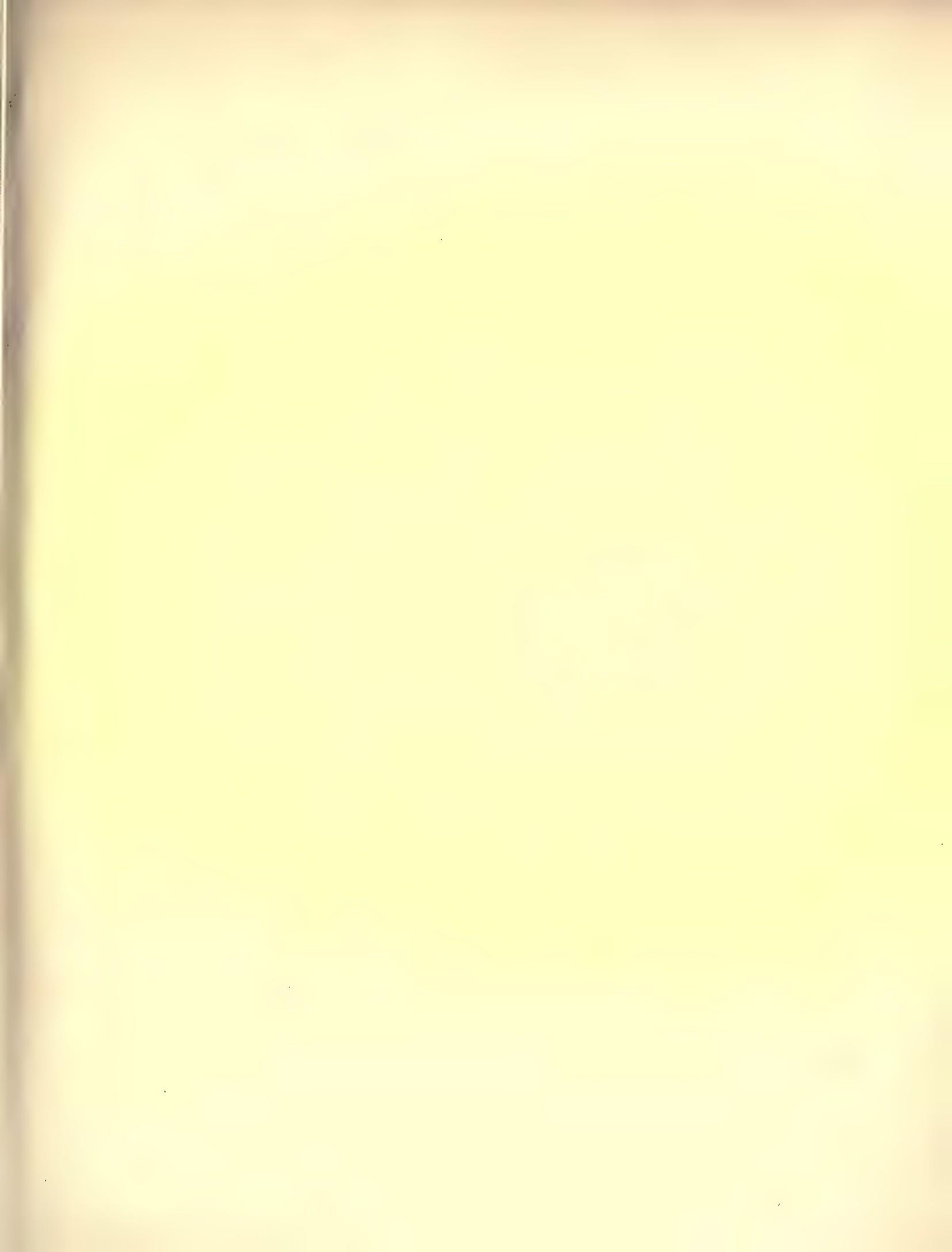
ACACIA LATIFOLIA.

Bentham in Hooker's London Journal of Botany i. 382 (1842).

- 1, portion of an unexpanded spike.
- 2, bracts.
- 3 and 4, unexpanded flowers.
- 5, expanded flower.
- 6, flower, laid open, staminate only, one petal removed.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed
- 11, a seed, separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.





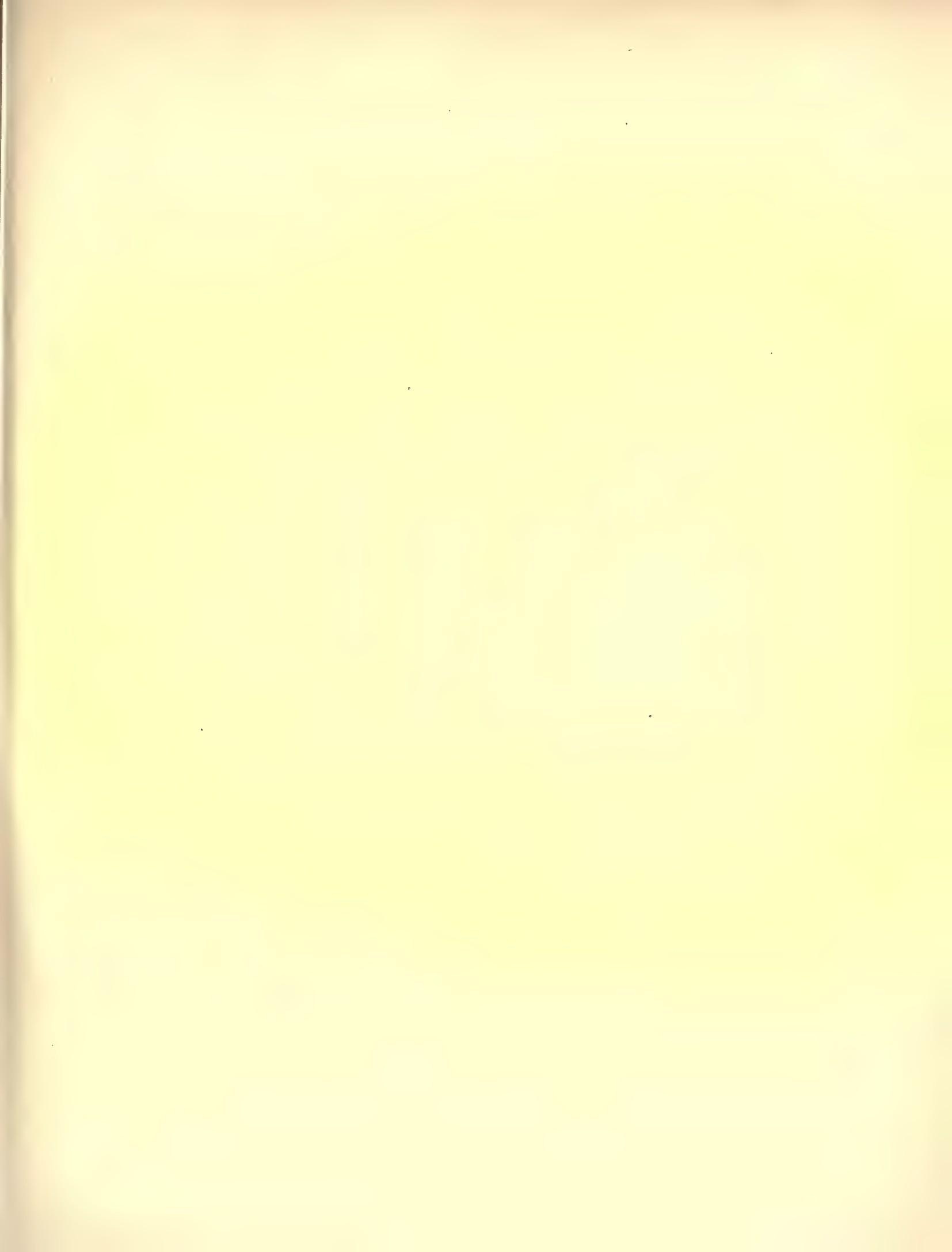
ACACIA TUMIDA.

F. v. M. in the Journal of the Linnean Society iii. 144 (1858).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



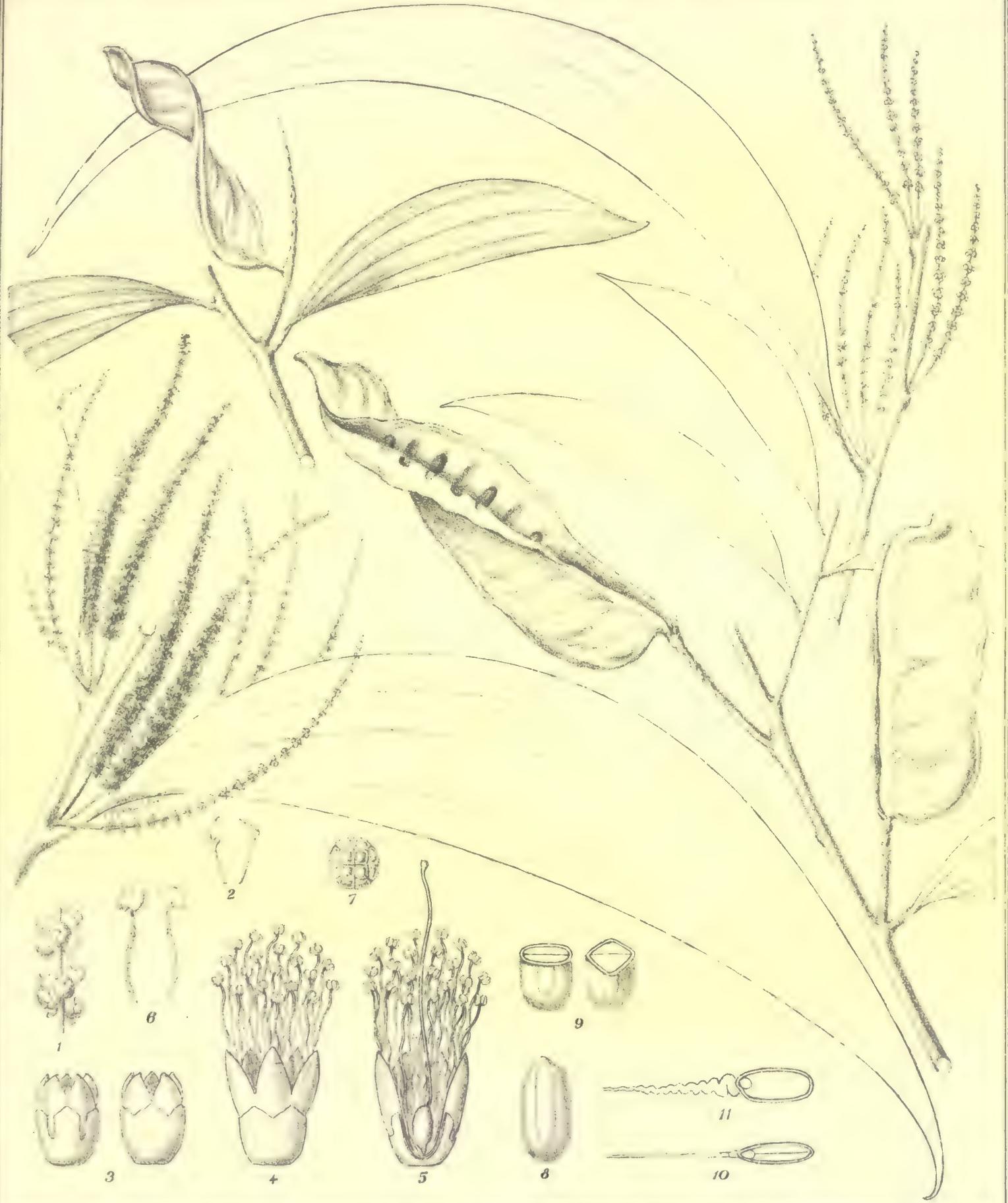


ACACIA AULACOCARPA.

Cunningham in Hooker's London Journal of Botany i. 379 (1842).

- 1, portion of inflorescence.
- 2, bracts.
- 3, unexpanded flower.
- 4, staminate flower.
- 5, perfect flower, laid open.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, a seed, separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.



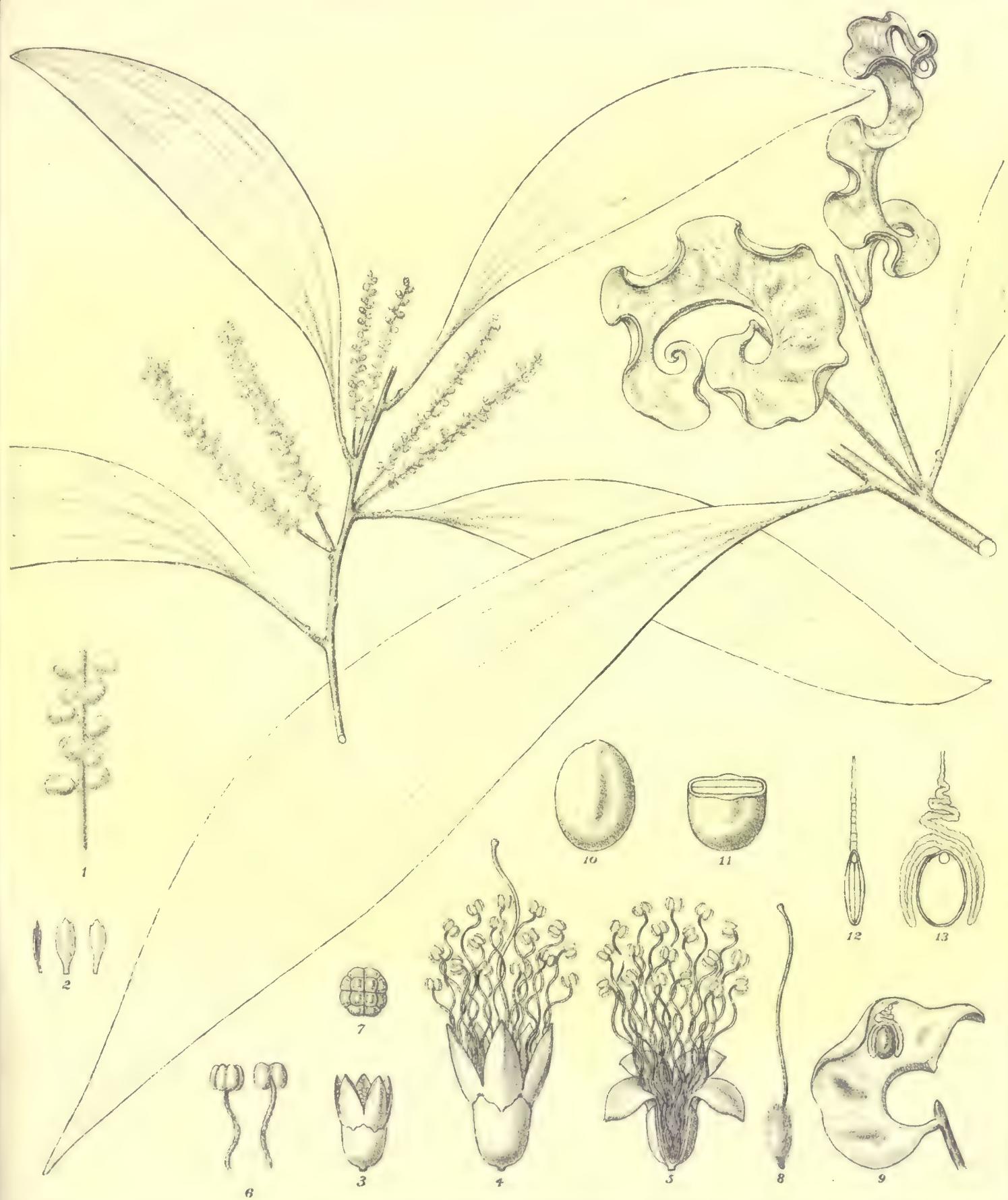


ACACIA AURICULIFORMIS.

Cunningham in Hooker's London Journal of Botany i. 377 (1842).

- 1, portion of an unexpanded spike.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower, perfect.
- 5, flower, laid open, staminate only.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





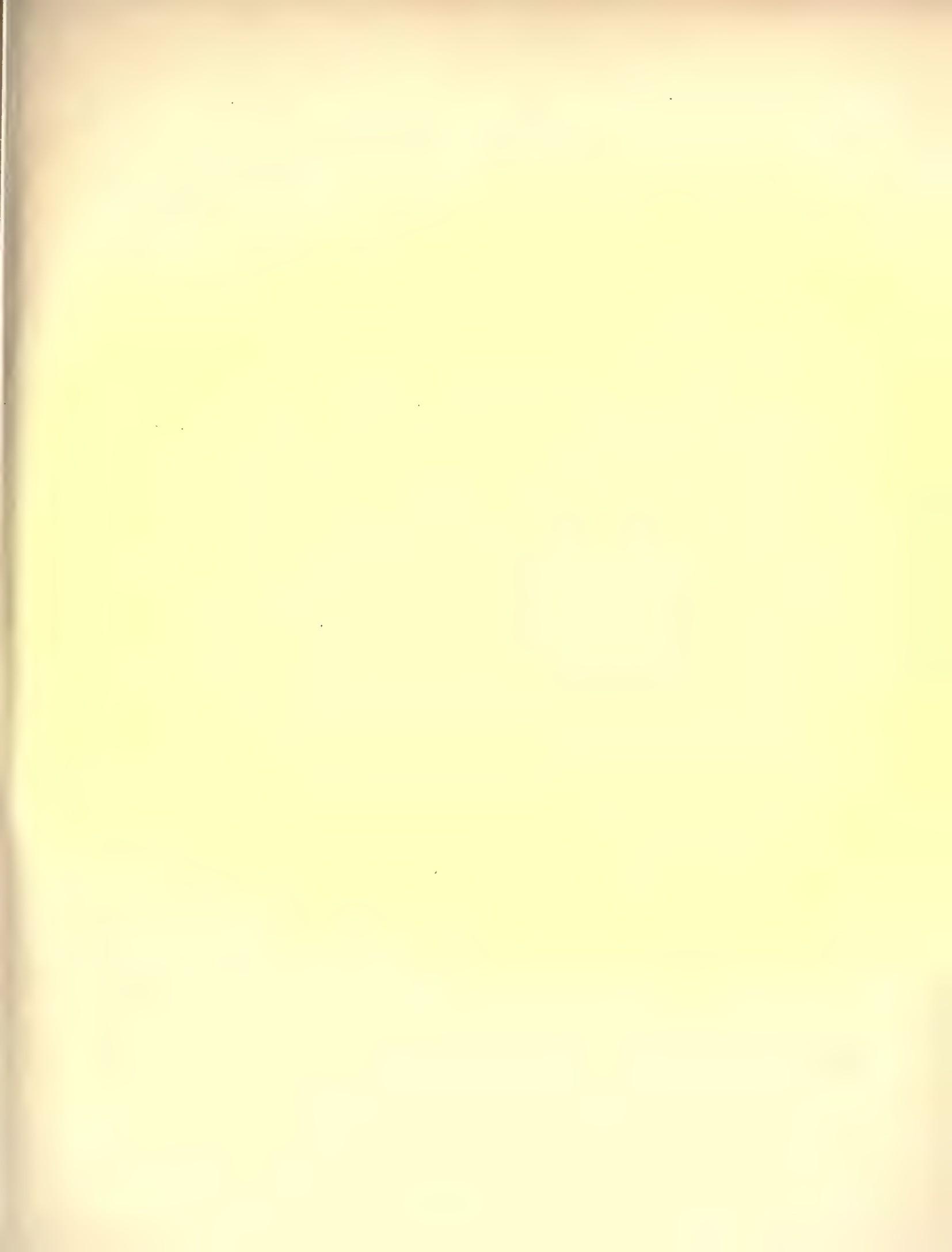
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TENTH DECADE.

BY AUTHORITY:
ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.
—
1888.



ACACIA DORATOXYLON.

Cunningham in Field's New South Wales 345 (1825).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded flower, perfect.
- 7, flower, laid open, staminate only.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, pistil.
- 11, lower portion of a fruit-valve with a seed.
- 12, a seed separated.
- 13, transverse section of a seed.
- 14 and 15, longitudinal sections of seeds.

All enlarged, but to various extent.





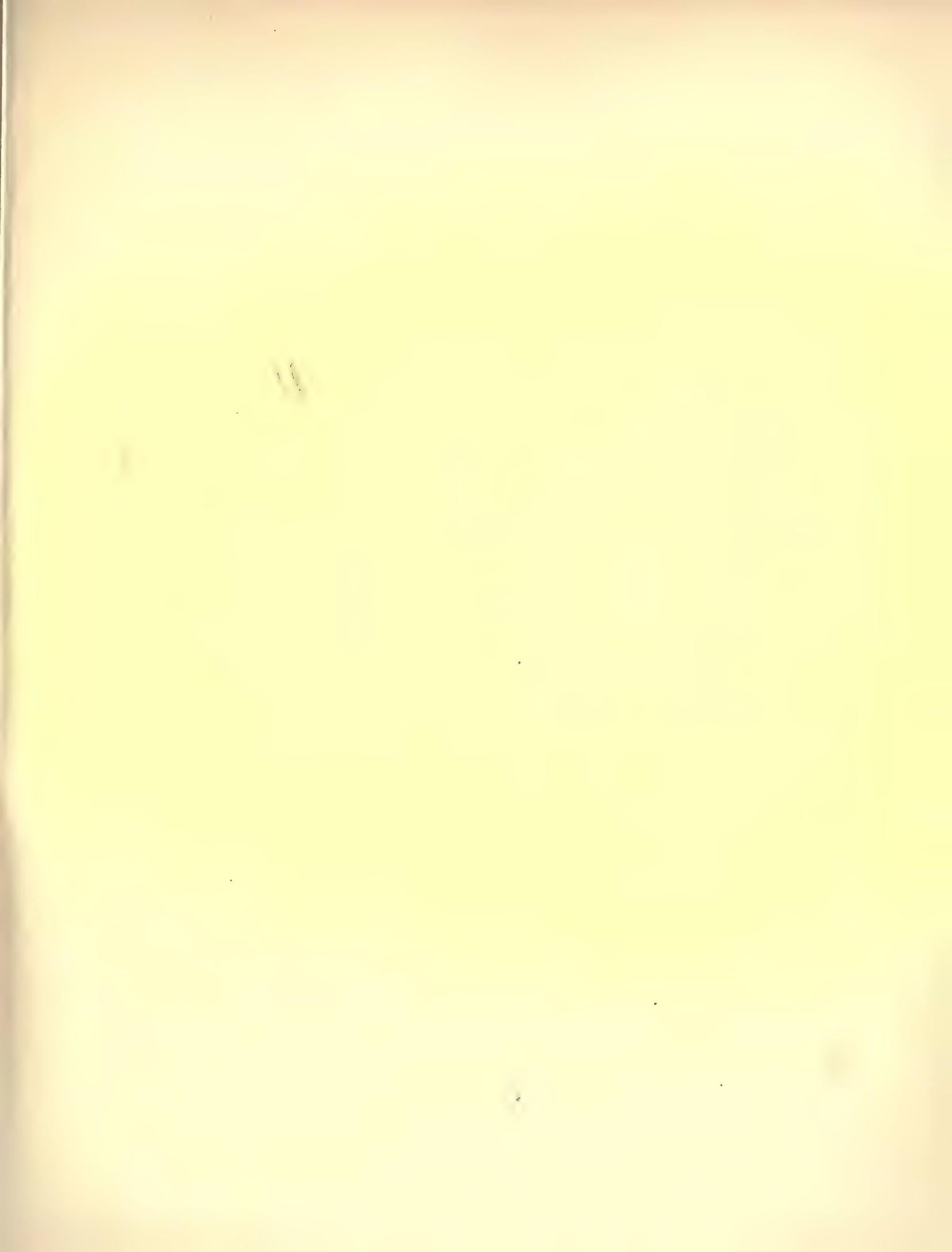
ACACIA TORULOSA.

Bentham in the Journal of the Linnean Society iii. 139 (1858).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, perfect.
- 6, flower, laid open, staminate only.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13, longitudinal section of a seed, showing cotyledons and some albument.
- 14, longitudinal section of a seed with its funicle.

All enlarged, but to various extent.





ACACIA LEPTOSTACHYA.

Bentham, Flora Australiensis ii. 406 (1864).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded flower, perfect.
- 7, flower, laid open, staminate only.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, pistil.
- 11, lower portion of a fruit-valve with seed.
- 12, a seed separated.
- 13, transverse section of a seed.
- 14 and 15, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA LYSIPHLOIA.

F. v. M. in the Journal of the Linnean Society iii. 137 (1858).

- 1, phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, perfect.
- 6, flower, laid open, staminate only.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with seed.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.



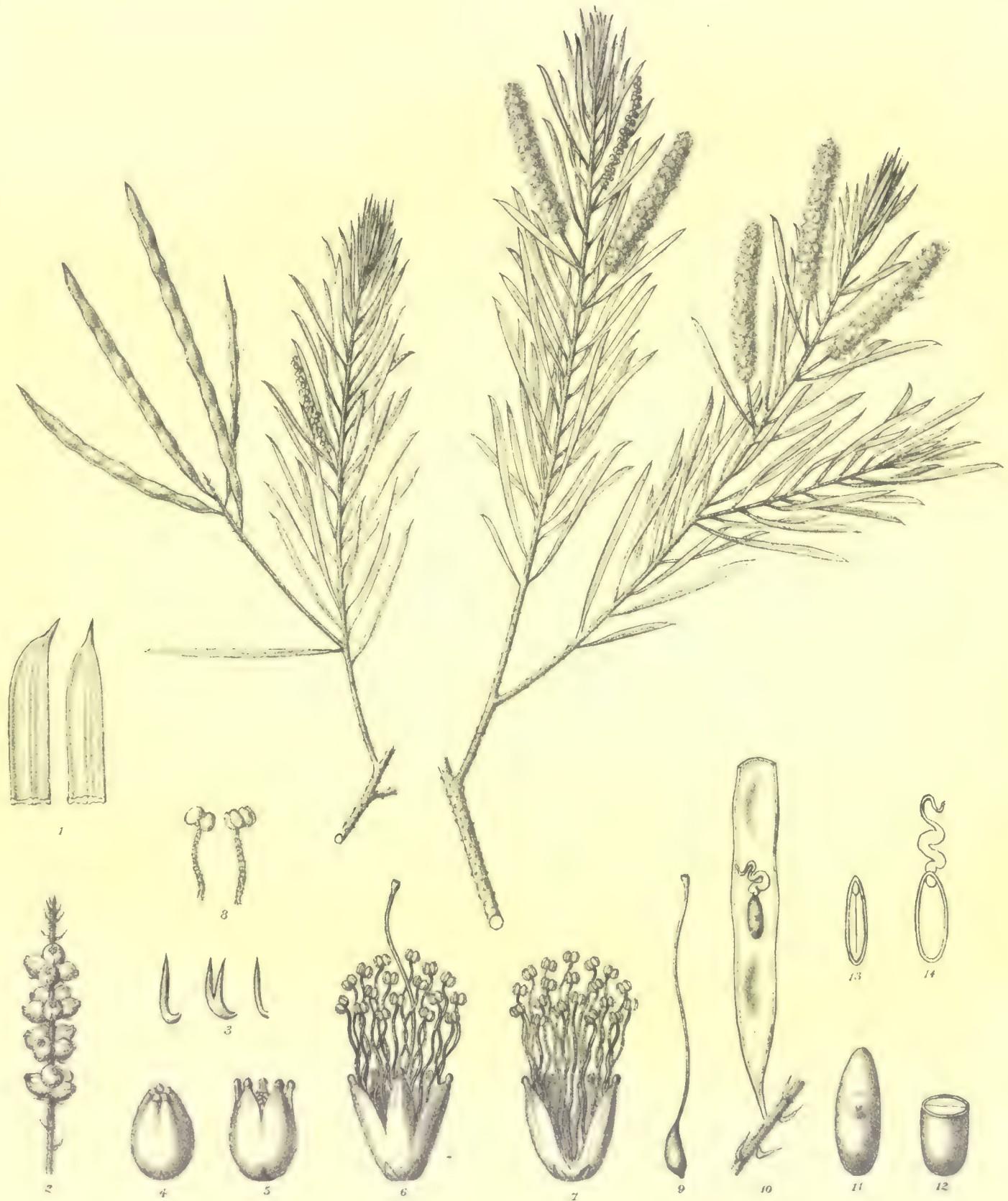


ACACIA LINARIOIDES.

Bentham in Hooker's London Journal of Botany i. 371 (1842).

- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4 and 5, flower-buds.
- 6, expanded perfect flower.
- 7, expanded flower, laid open, staminate only.
- 8, back- and front-view of a stamen.
- 9, pistil.
- 10, portion of a fruit-valve with seeds.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.



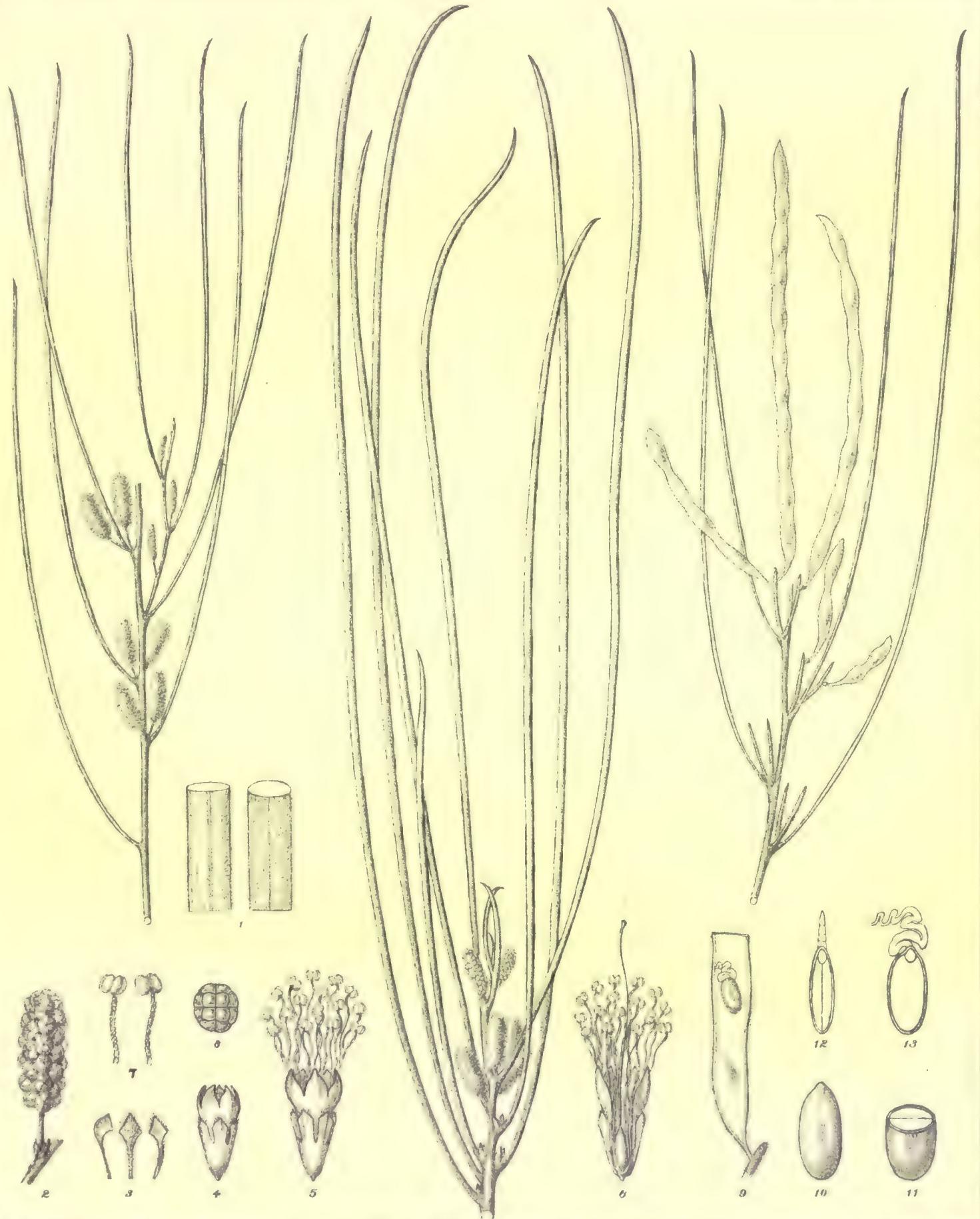


ACACIA CYPEROPHYLLA.

F. v. M. in Bentham's Flora Australiensis ii. 400 (1864).

- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, portion of a fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



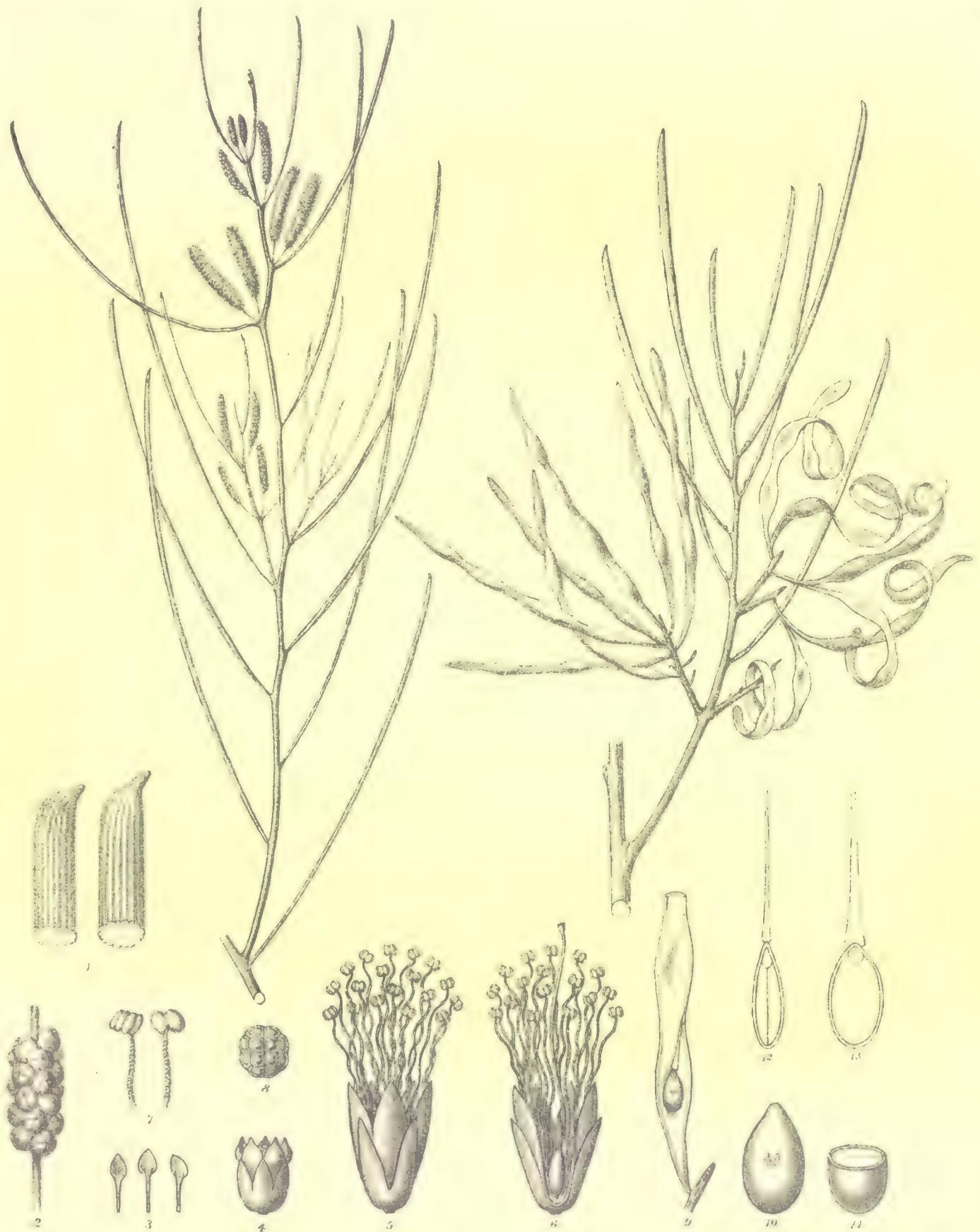


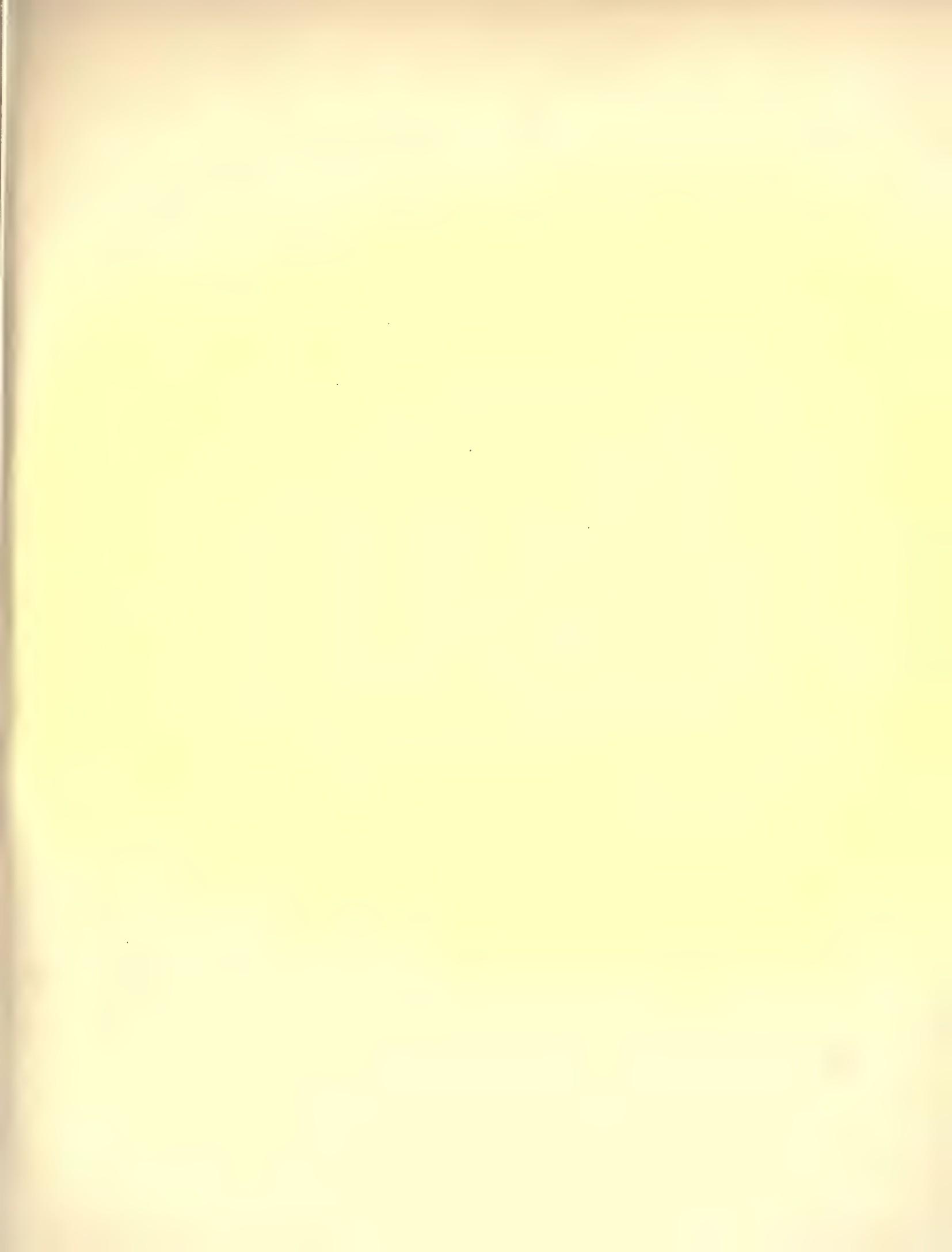
ACACIA PITYOIDES.

F. v. M. in the Journal of the Linnean Society iii. 135 (1858).

- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA ANEURA.

F. v. M. in Schlechtendal's Linnaea xxvi. 627 (1853).

- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded flower, staminate only.
- 7, perfect flower, laid open.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, a fruit-valve with seeds.
- 11, seeds separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.



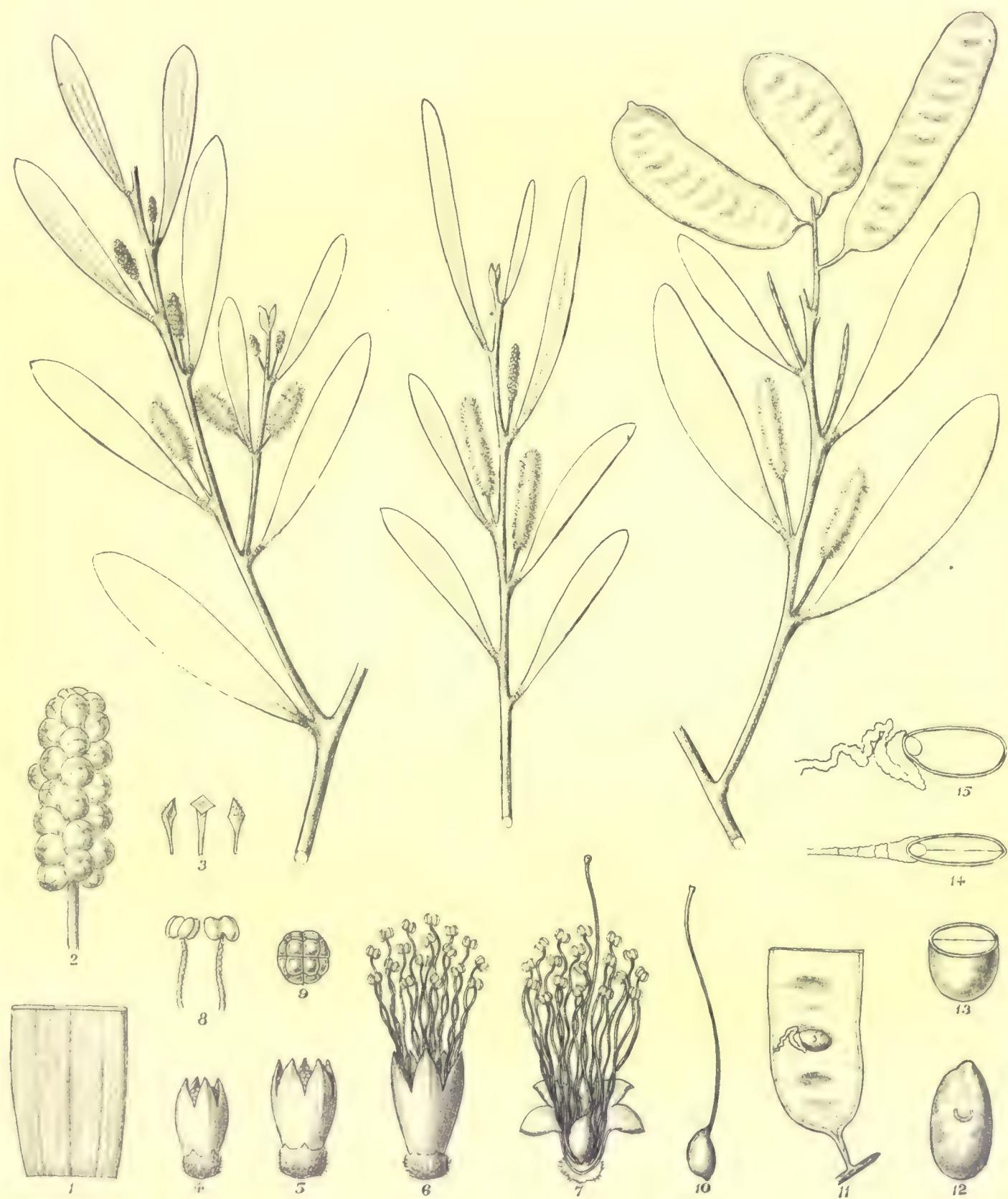


ACACIA KEMPEANA.

F. v. M. in Melbourne Chemist and Druggist, July 1882.

- 1, portion of a phyllodium.
- 2, unexpanded spike.
- 3, bracts.
- 4 and 5, unexpanded flowers.
- 6, expanded flower, staminate only.
- 7, perfect flower, laid open.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, pistil.
- 11, lower portion of a fruit-valve with a seed.
- 12, a seed separated.
- 13, transverse section of a seed.
- 14 and 15, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA PLECTOCARPA.

Cunningham in Hooker's London Journal of Botany i. 375 (1842).

- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded flower, perfect.
- 7, flower, laid open, staminate only.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, pistil.
- 11, lower portion of a valve of a young fruit with ovules.
- 12, lower portion of a valve of a ripe fruit with seeds.
- 13, a seed separated.
- 14, transverse section of a seed.
- 15 and 16, longitudinal sections of seeds.

All enlarged, but to various extent.



ICONOGRAPHY
OF
AUSTRALIAN SPECIES OF ACACIA
AND
COGNATE GENERA,

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GOVERNMENT BOTANIST OF THE COLONY OF VICTORIA.

"SED GAUDEBITIS ET EXULTABITIS USQUE AD SEMPERNUN IN IHS, QUÆ DEUS CRERABAT." *Prophetia Isaiae*, lxxv. 18.

ELEVENTH DECADE.

BY AUTHORITY:
ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

1888.



ACACIA DELIBRATA.

Cunningham in Hooker's London Journal of Botany i. 374 (1842).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, back- and front-view of a stamen.
- 6, pistil.
- 7, portion of a fruit-valve with a seed.
- 8, a seed, separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA GONOCLADA.

F. v. M. in the Journal of the Linnean Society iii. 140 (1858).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded perfect flower.
- 5, expanded flower, laid open, staminate only.
- 6, back- and front-view of a stamen.
- 7, pistil.
- 8, portion of a fruit-valve with a seed.
- 9, a seed, separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA STIPULIGERA.

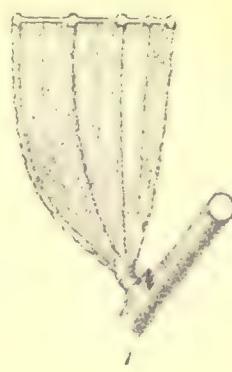
F. v. M. in the Journal of the Linnean Society iii. 144 (1858).

- 1, portion of a branchlet.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded perfect flower.
- 5, expanded flower, laid open, staminate only.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



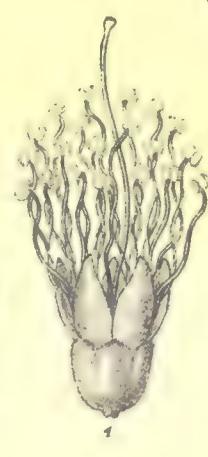
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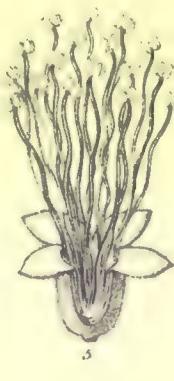
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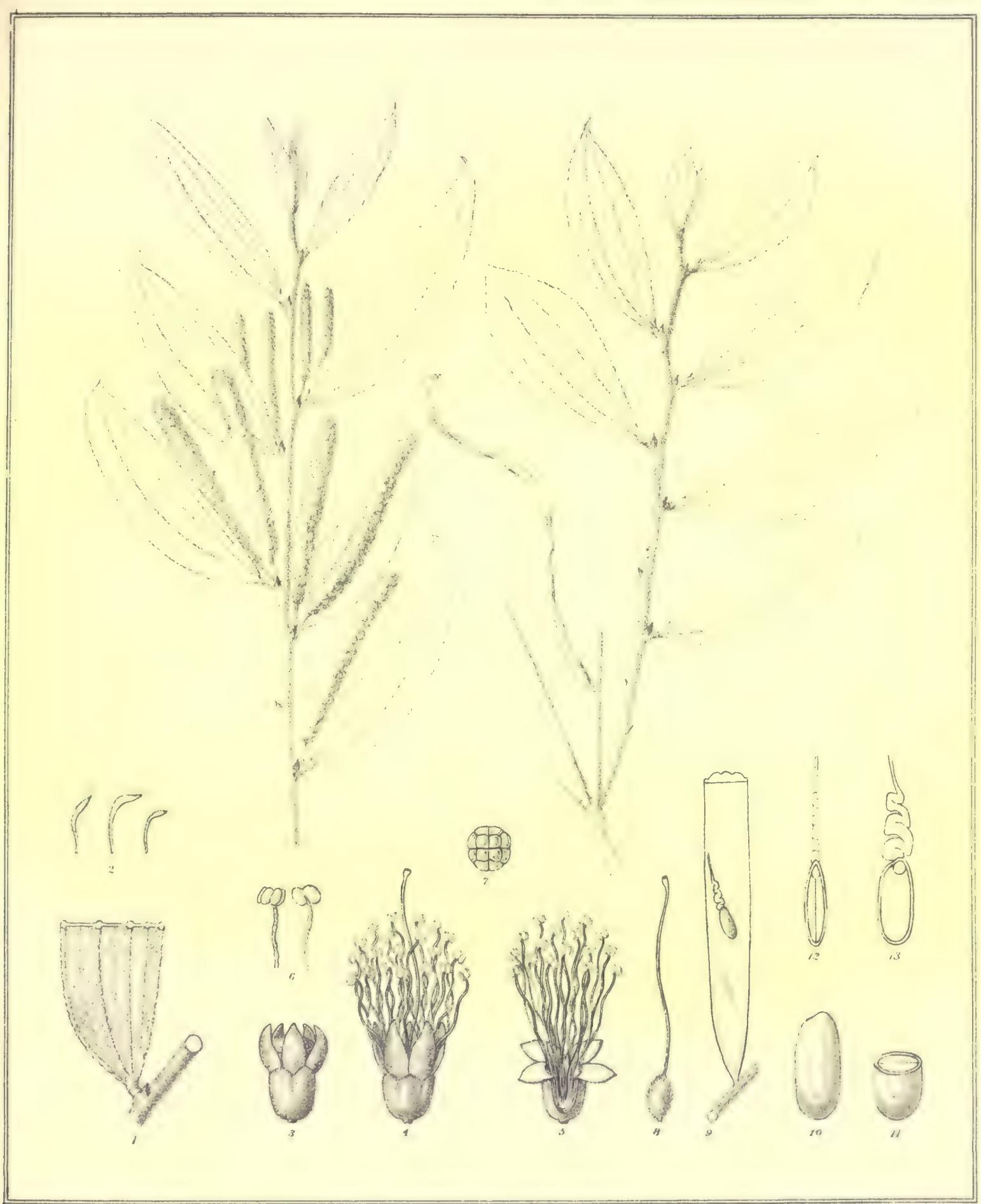
11



12



13



ACACIA ACRADENIA.

F. v. M. in the Journal of the Linnean Society iii. 142 (1859).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, portion of a fruit-valve with seeds.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA HOLCOCARPA.

Bentham, Flora Australiensis ii. 408 (1864).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded perfect flower.
- 6, expanded flower, laid open, staminate only.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, portion of a fruit-valve with seeds.
- 11, a seed, separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.



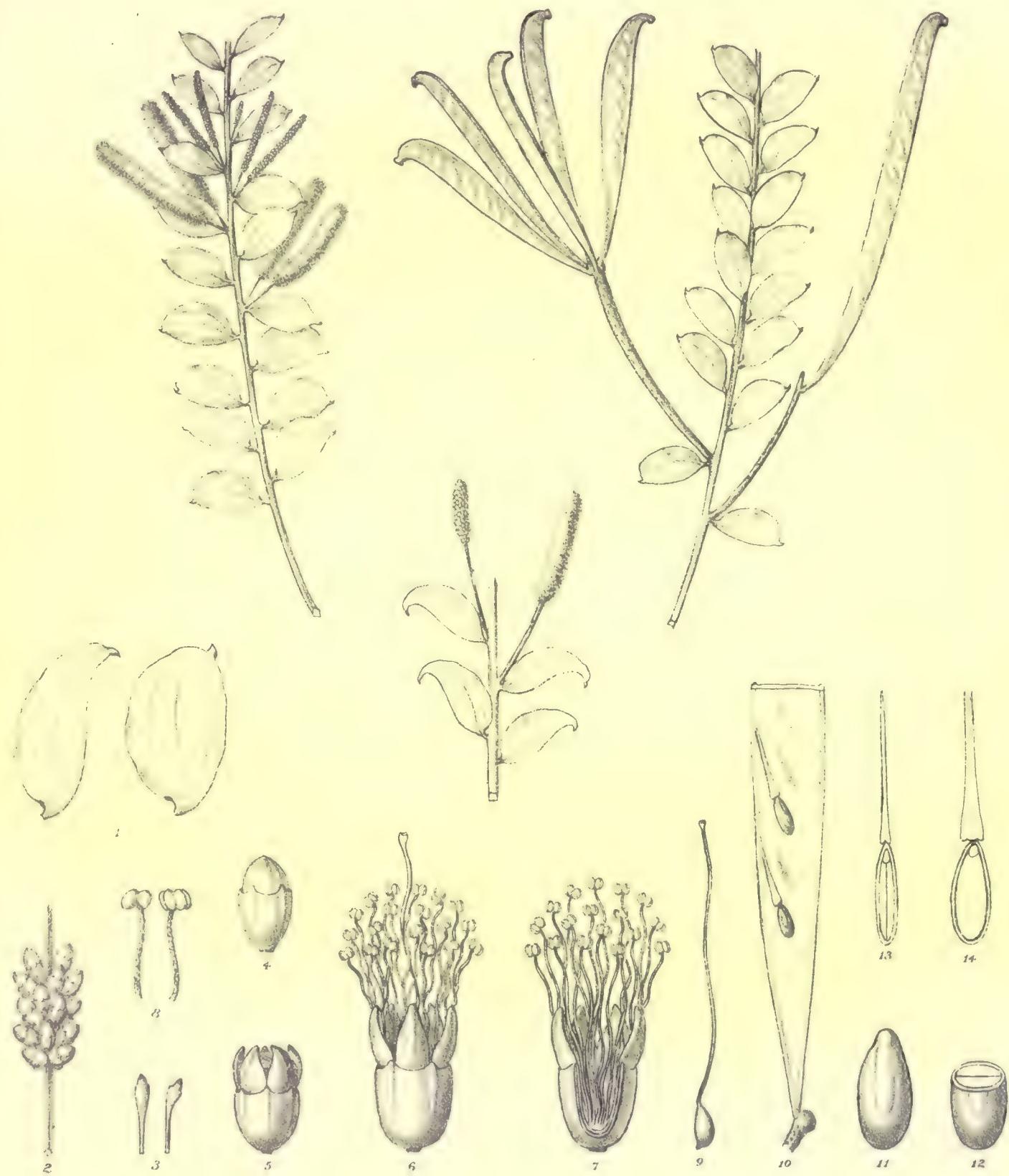
Acacia holcoearpa *Bentham.*

ACACIA WICKHAMI.

Bentham in Hooker's London Journal of Botany i. 379 (1842).

- 1, phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded perfect flower.
- 7, expanded flower, laid open, staminate only.
- 8, back- and front-view of a stamen.
- 9, pistil.
- 10, portion of a fruit-valve with a seed.
- 11, a seed, separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.





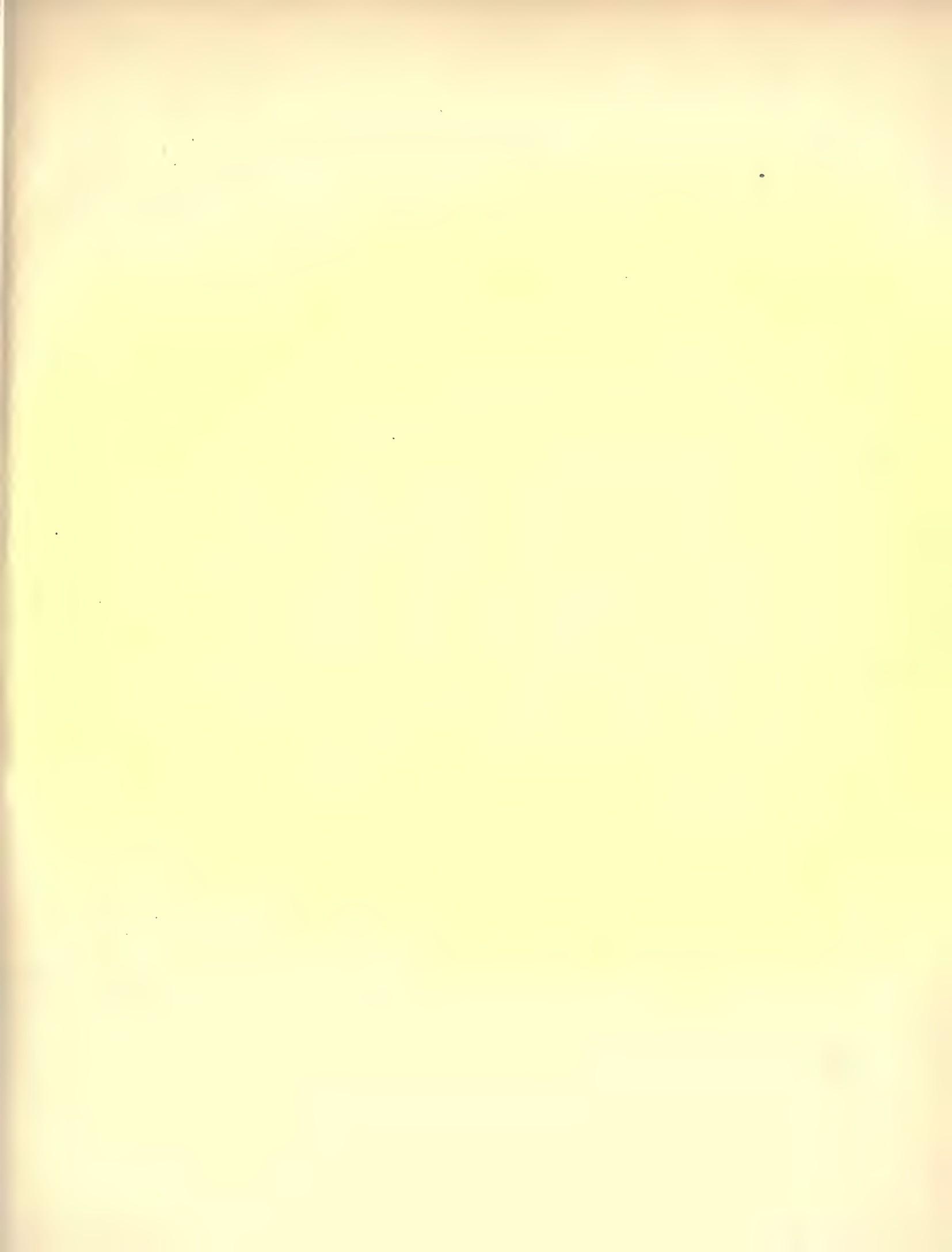
ACACIA CONJUNCTIFOLIA.

F. v. M. fragmenta phytographiae Australiae xi. 68 (1879).

- 1, portion of a branchlet with phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, perfect.
- 6, flower laid open, staminate only.
- 7, front- and back-view of a stamen.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA XYLOCARPA.

A. Cunningham in Hooker's London Journal of Botany i. 370 (1842).

- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flowers.
- 5, expanded perfect flower.
- 6, expanded flower, staminate only, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, portions of a fruit-valve with seeds.
- 11, a seed, separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA GONOCARPA.

F. v. M. in the Journal of the Linnean Society iii. 136 (1858).

- 1, portions of phyllodia.
 - 2, portion of an unexpanded spike.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanded flower, staminate only.
 - 6, expanded perfect flower, laid open.
 - 7, front- and back-view of a stamen.
 - 8, pollen-grain.
 - 9, portion of a fruit-valve with a seed.
 - 10, a seed, separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.



ACACIA DREPANOCARPA.

F. v. M. in the Journal of the Linnean Society iii. 137 (1858).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded flower, perfect.
- 7, flower, laid open, staminate only.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, pistil.
- 11, lower portion of a fruit-valve with a seed.
- 12, a seed, separated.
- 13, transverse section of a seed.
- 14 and 15, longitudinal sections of seeds.

All enlarged, but to various extent.



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TWELFTH DECADE.

BY AUTHORITY: ✓

ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

—
1888.



ACACIA PACHYCARPA.

F. v. M. in Journal of the Linnean Society iii. 139 (1858).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, perfect.
- 6, staminate flower, laid open.
- 7, front- back- and side-view of stamens.
- 8, pistil.
- 9, lower portion of a fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



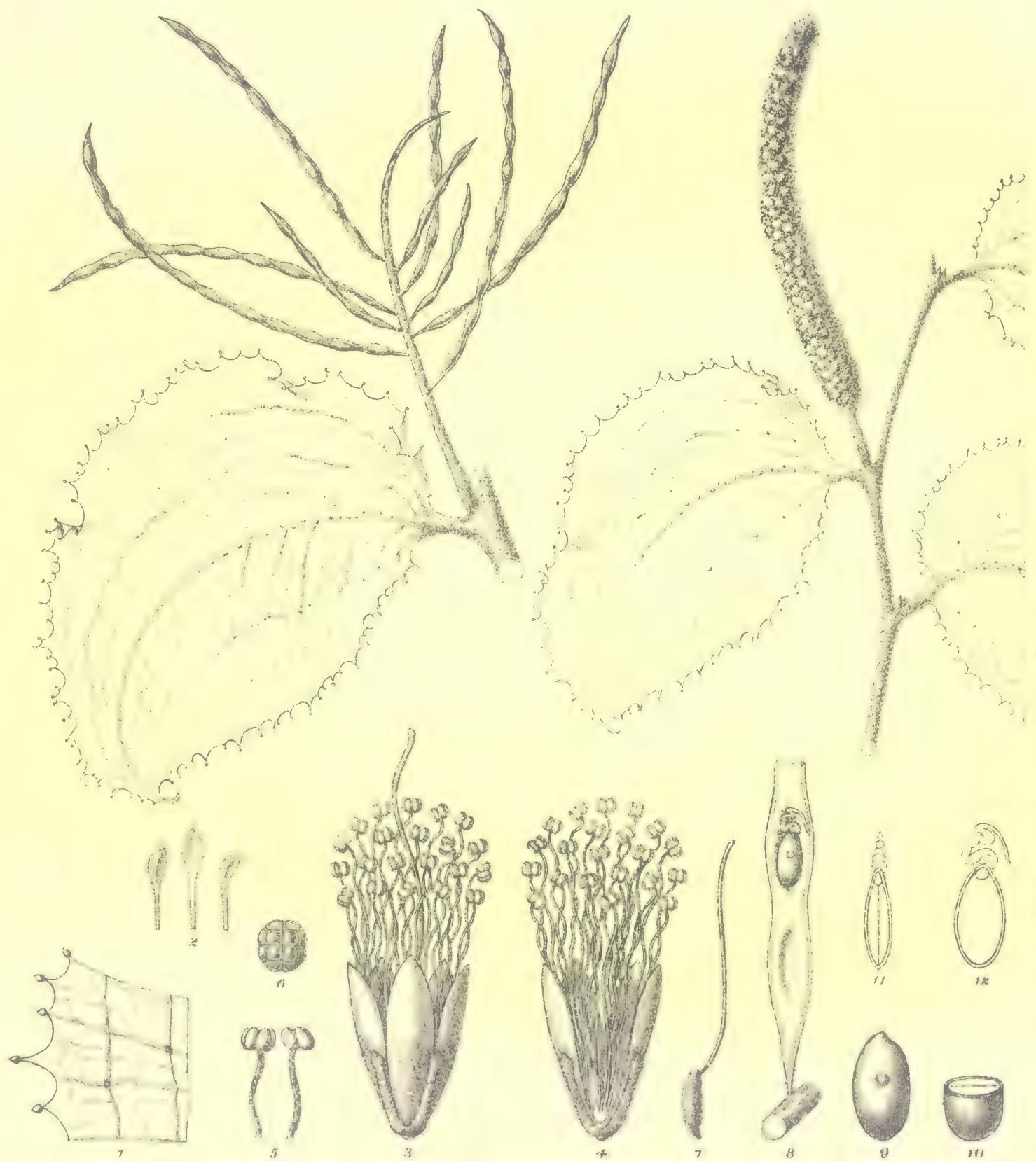


ACACIA DENTICULOSA.

F. v. M. fragmenta phytographiae Australiae x. 32 (1876).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, perfect flower.
- 4, flower, laid open, staminate only.
- 5, front- and back-view of a stamen.
- 6, pollen-grain.
- 7, pistil.
- 8, lower portion of a fruit-valve with a seed.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.





ACACIA SUBEROSA.

Cunningham in Hooker's London Journal of Botany i. 499 (1842).

- 1, portions of a leaf.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, back- and front-view of stamens, one glandule-bearing.
- 8, pollen-grain.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

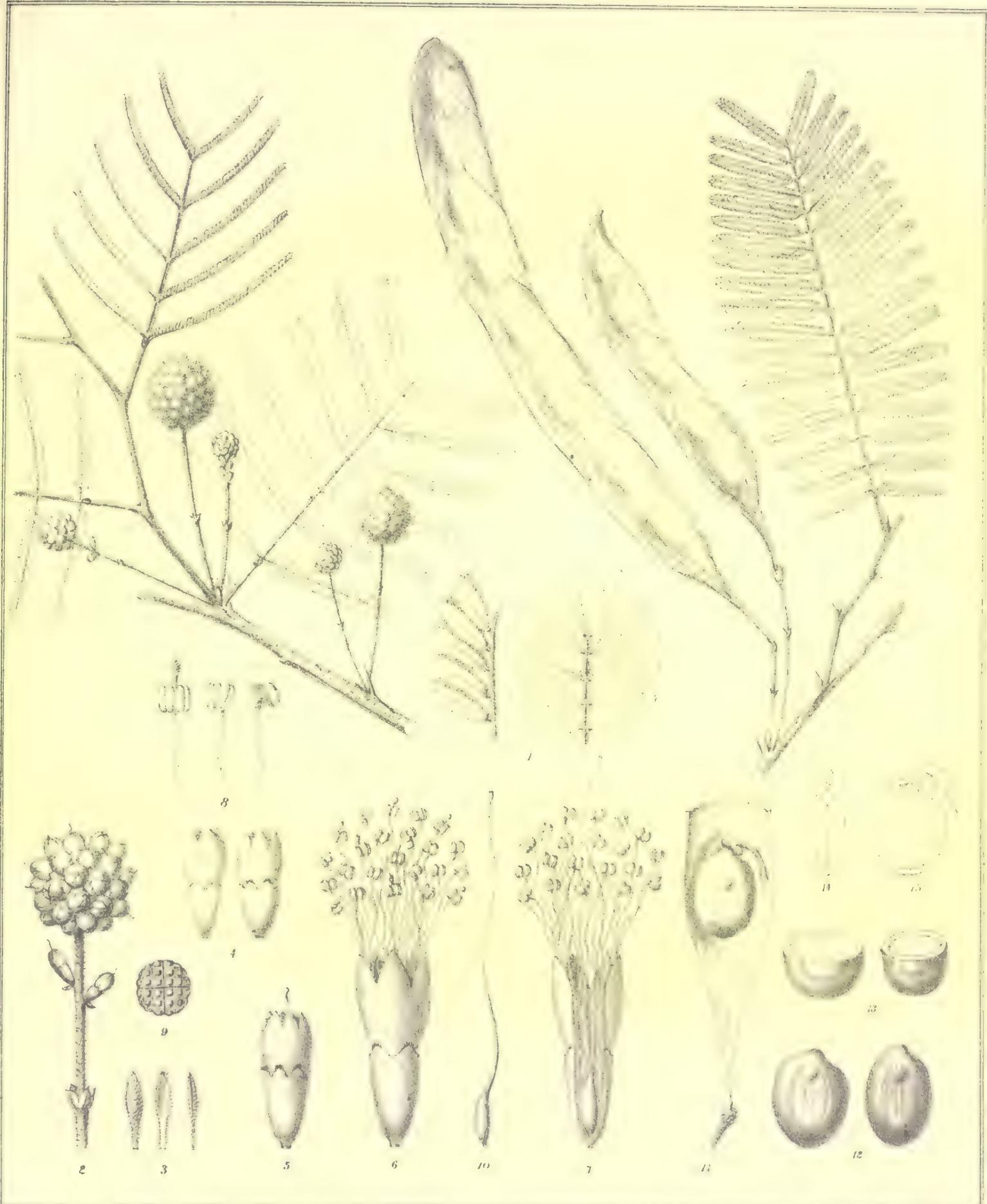




ACACIA BIDWILLI.

Bentham in Schlechtendal's Linnaea xxvi. 629 (1853).

- 1, portions of a leaf.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4 and 5, unexpanded flowers.
- 6, expanded flower, staminate only.
- 7, expanded perfect flower, laid open.
- 8, front- side- and back- view of stamens, one glandule-bearing.
- 9, pollen-grain.
- 10, pistil.
- 11, lower portion of a fruit-valve with a seed.
- 12, two seeds separated.
- 13, transverse sections of two seeds.
- 14 and 15, longitudinal sections of seeds.
All enlarged, but to various extent.



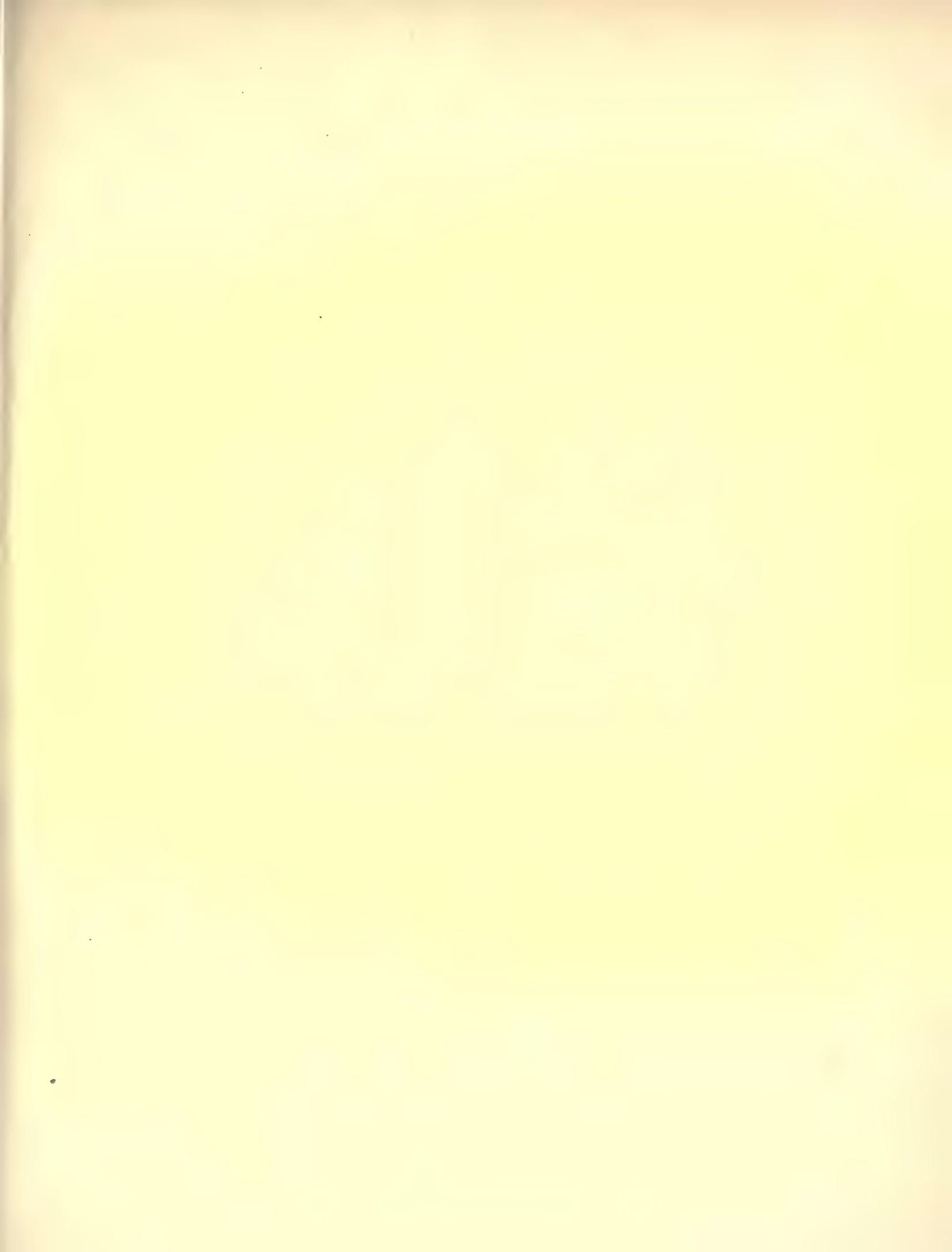
ACACIA BAILEYANA.

F. v. M. in the transactions of the Royal Society of Victoria (1887).

- 1, portion of a leaf.
- 2, leaflets.
- 3, head of unexpanded flowers.
- 4, bracts.
- 5, unexpanded flower.
- 6, expanded flower, staminate only.
- 7, expanded perfect flower, laid open.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, lower portion of a fruit-valve with a seed.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.



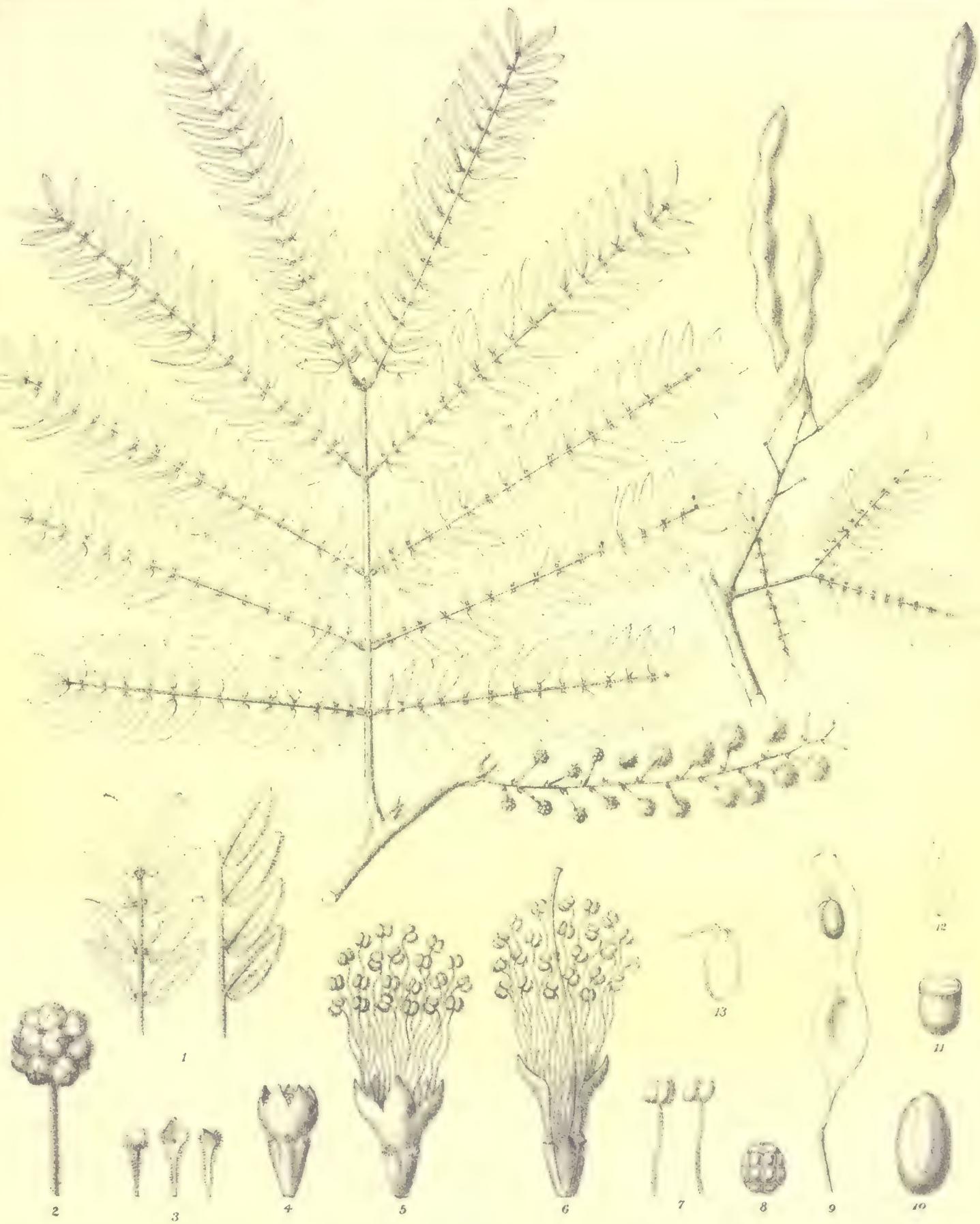


ACACIA POLYBOTRYA.

Bentham in Hooker's London Journal of Botany i. 384 (1842).

- 1, portions of leaves.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



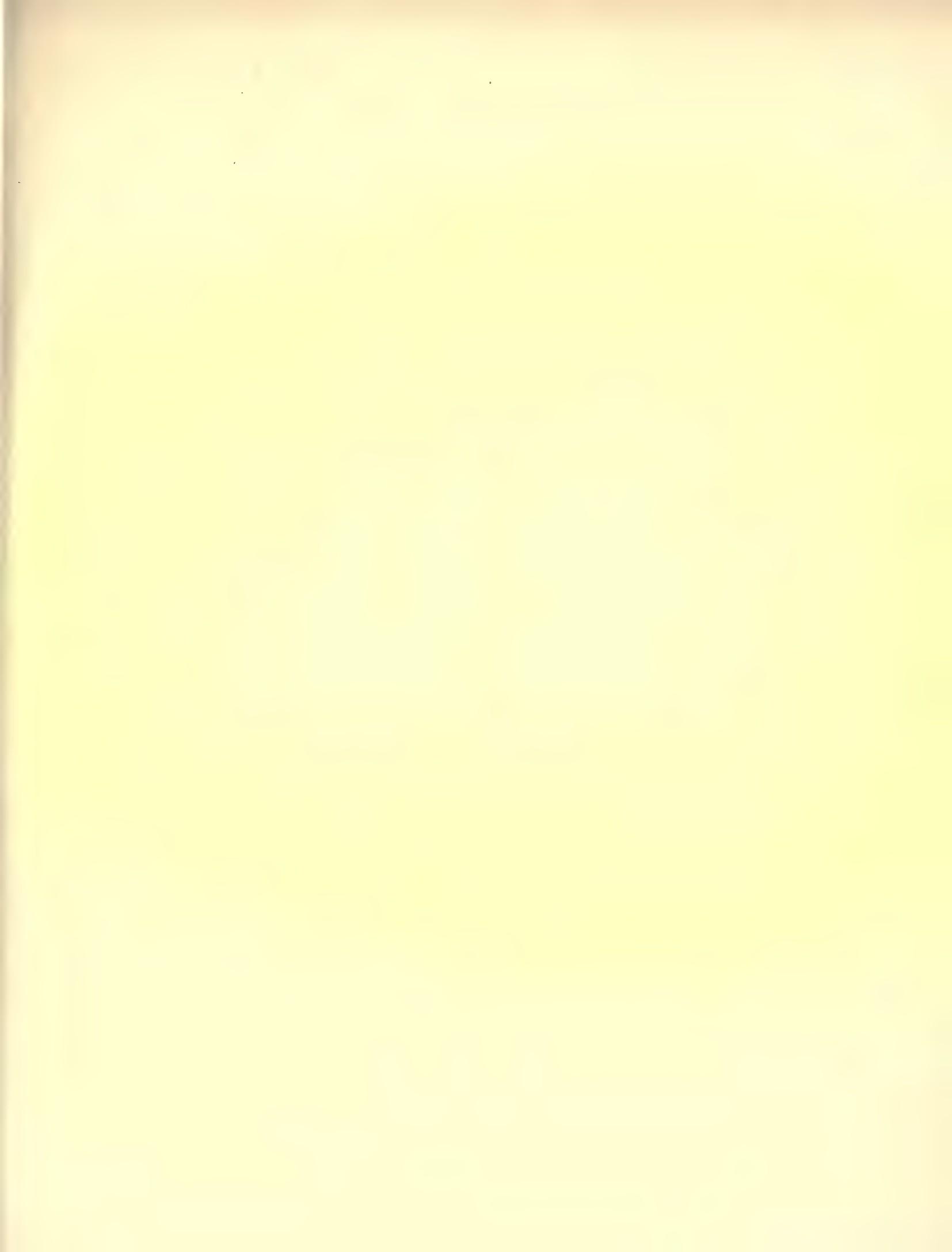
ACACIA ELATA.

Cunningham in Hooker's London Journal of Botany i. 383 (1842).

- 1, head of unexpanded flowers.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, front- and back-view of a stamen.
- 6, pollen-grain.
- 7, pistil.
- 8, lower portion of a fruit-valve with a seed.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.



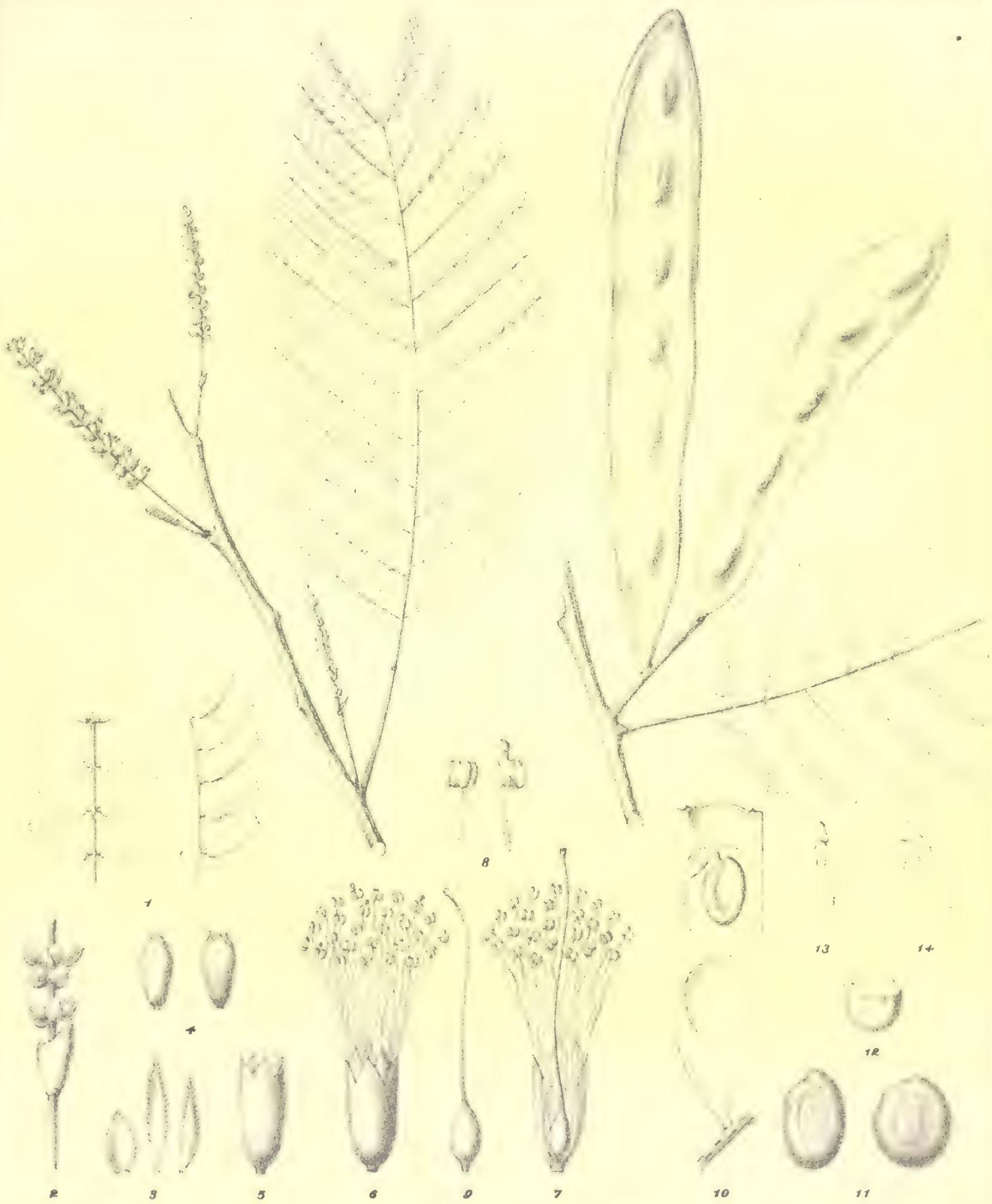


ACACIA SUTHERLANDI.

F. v. M. *Albizia Sutherlandi*, F. v. M. fragmenta phytographiae Australiae vi.
22 (1867).

- 1, portions of leaves.
- 2, portion of a spike of unexpanded flower.
- 3, bracts.
- 4, flower-buds.
- 5, unexpanded flower.
- 6, expanded flower, staminate only.
- 7, expanded perfect flower, laid open.
- 8, front- and back-view of a stamen, one glandule-bearing.
- 9, pistil.
- 10, portion of a fruit-valve with one seed.
- 11, two seeds separated.
- 12, transverse section of a seed.
- 13, longitudinal sections of seeds.

All enlarged, but to various extent.



ALBIZZIA BASALTICA.

Bentham, Flora Australiensis ii. 422 (1864).

- 1, portions of leaves.
 - 2, head of unexpanded flowers.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanded flower, staminate only.
 - 6, expanded perfect flower, laid open.
 - 7, front- and back-view of a stamen.
 - 8, pollen-grain.
 - 9, lower portion of a fruit-valve with a seed.
 - 10, a seed separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.

Albizia basaltica BENTHAM

Steam Litho. Govt. Printing Office Melb.

F.M. Dixell.

R.Graf del C. Troedel & C° Lith.





ALBIZZIA THOZETIANA.

F. v. M. in Bentham's Flora Australiensis ii. 422 (1864).

- 1, head of unexpanded flowers.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower, staminate only.
- 5, expanded perfect flower, laid open.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, lower portion of a fruit-valve with a seed.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.



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THIRTEENTH DECADE.

BY AUTHORITY:

ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

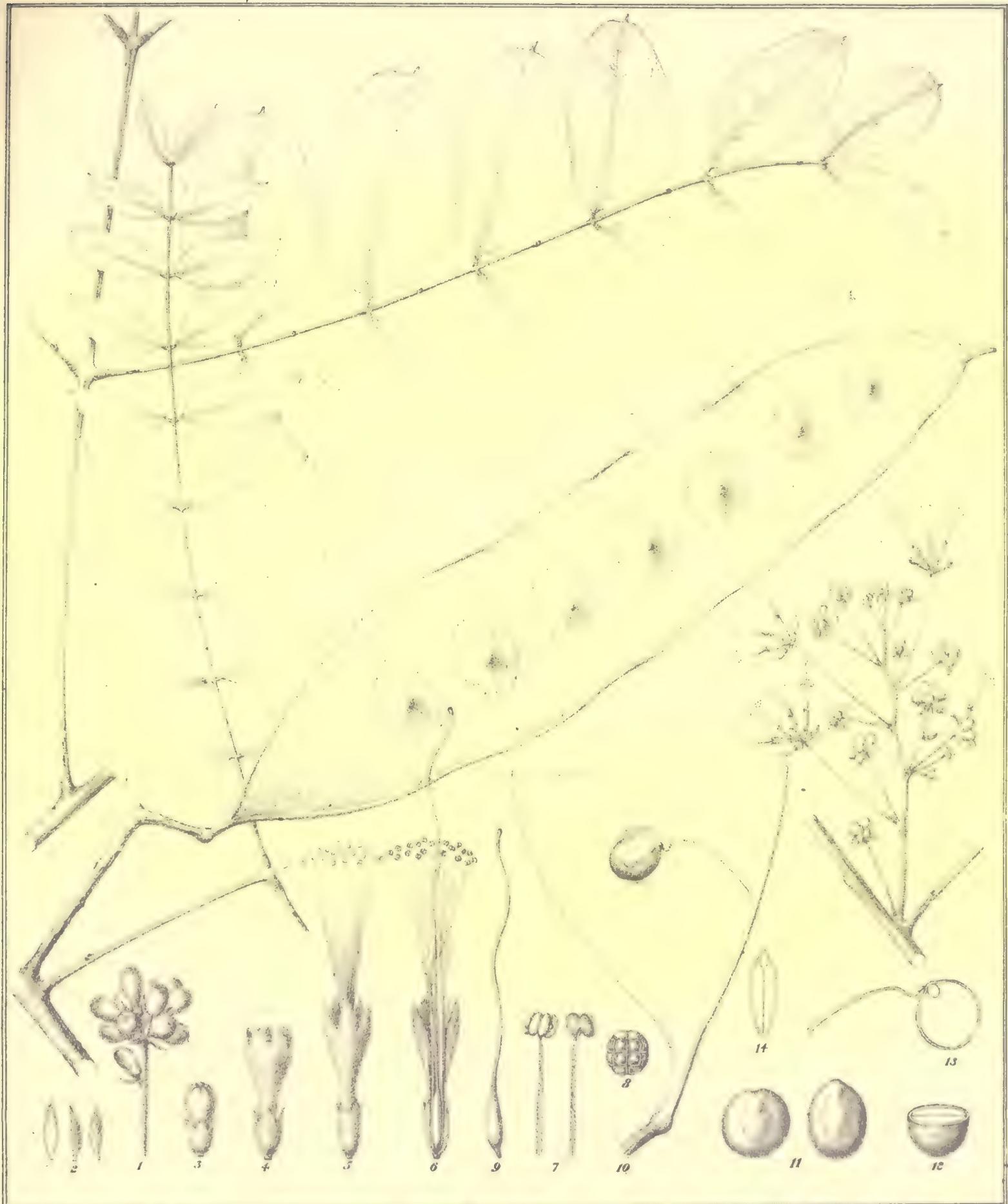
1888.

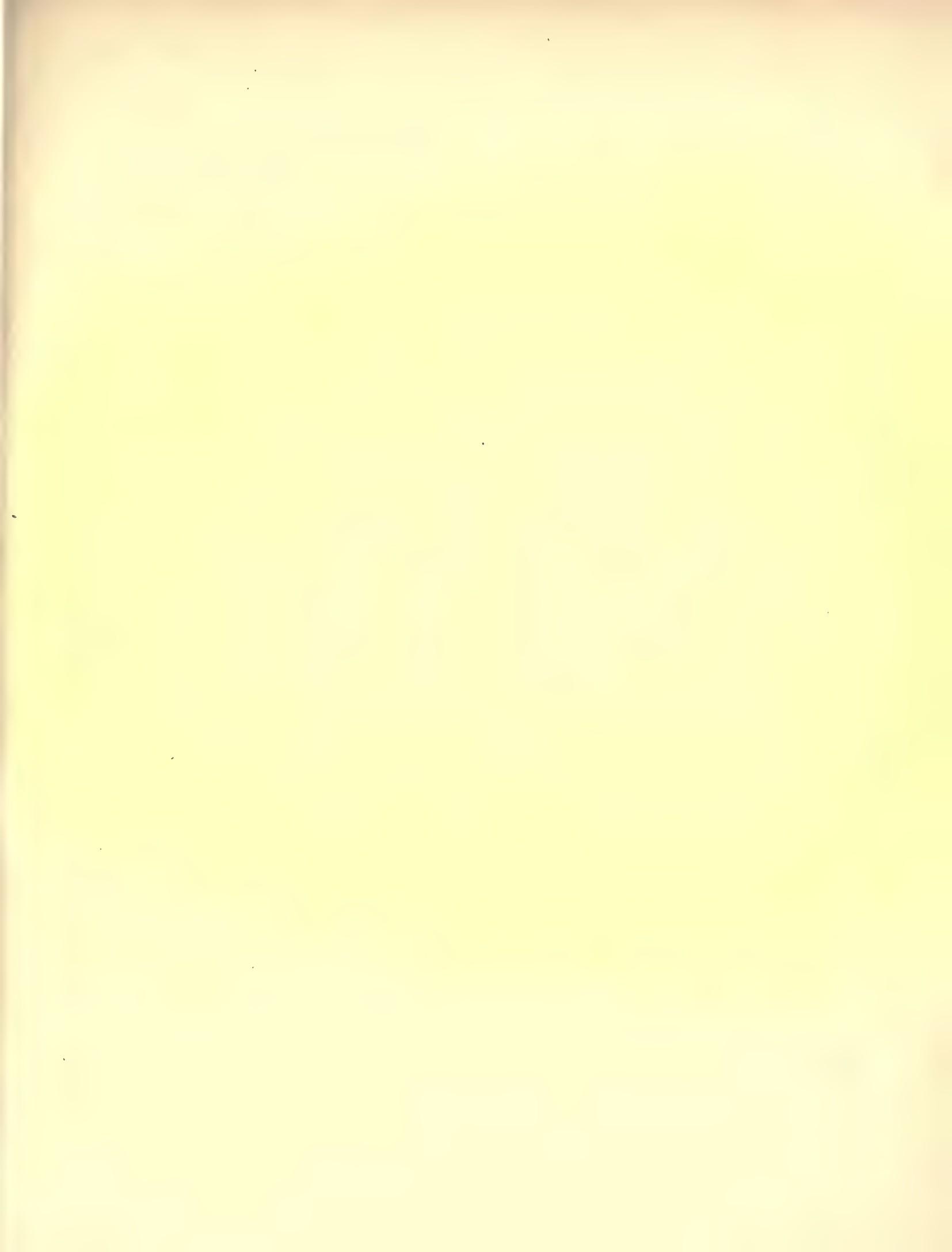
ALBIZZIA CANESCENS.

Bentham, Flora Australiensis ii. 423 (1864).

- 1, head of unexpanded flowers.
- 2, bracts.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed.
- 11, two seeds separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All except 10 enlarged, but to various extent.





ALBIZZIA PRUINOSA.

F. v. M. in Trimen's Journal of Botany 9 (1872).

- 1, bracts.
 - 2, flower-bud.
 - 3 and 4, unexpanded flowers.
 - 5, expanded flower, laid open.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, lower portion of a fruit-valve with seeds.
 - 9, a seed separated.
 - 10, transverse sections of two seeds.
 - 11 and 12, longitudinal sections of seeds.
- All enlarged, but to various extent.





ALBIZZIA MONILIFERA.

F. v. M. in Trimen's Journal of Botany 10 (1872).

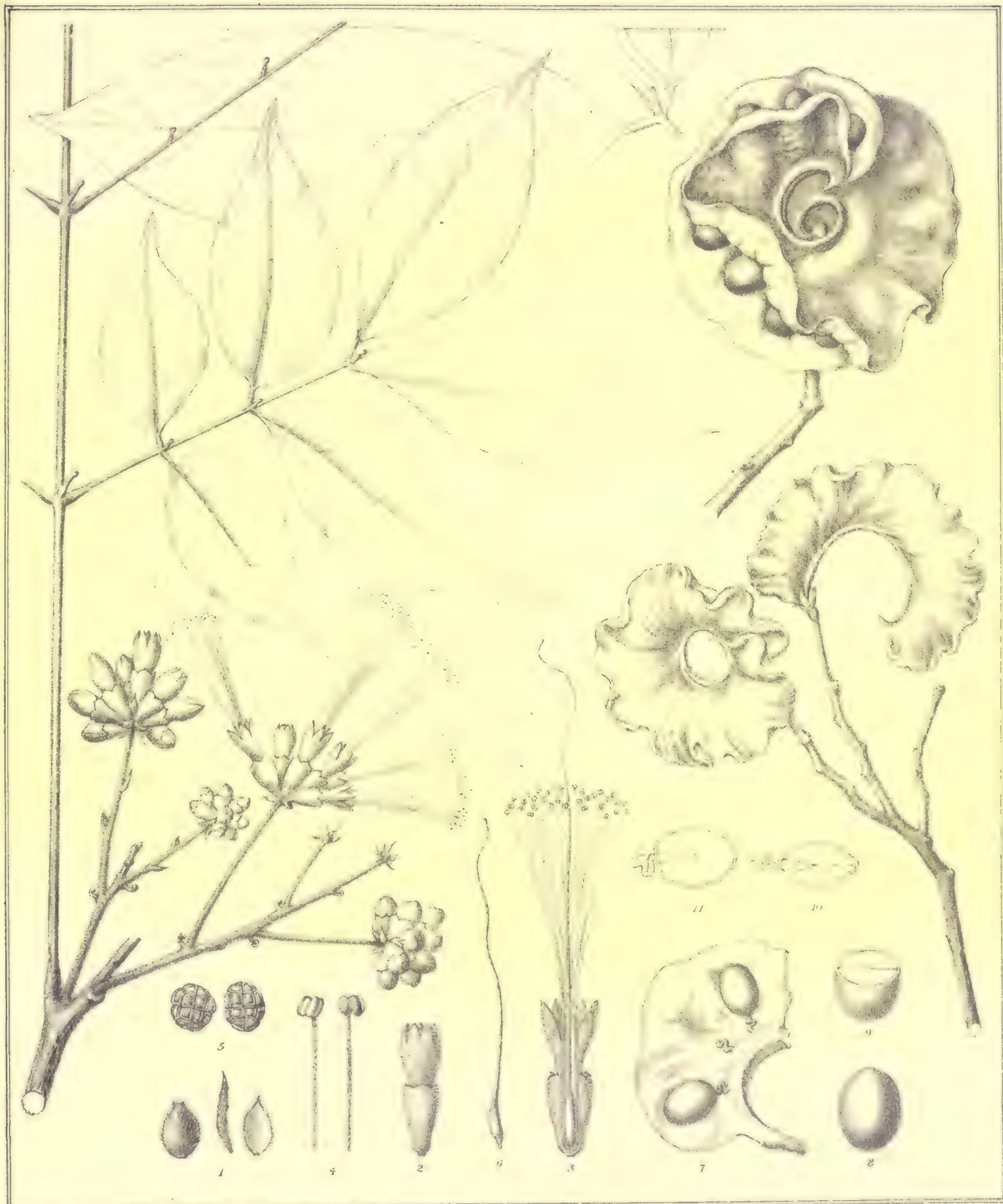
- 1, bracts.
 - 2, portion of an inflorescence.
 - 3 and 4, unexpanded flowers.
 - 5, expanded flower, laid open.
 - 6, front-, side- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with a seed.
 - 10, a seed separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.



ALBIZZIA TOZERI.

F. v. M. in Trimen's Journal of Botany 10 (1872.)

- 1, bracts.
- 2, unexpanded flower.
- 3, expanded flower, laid open.
- 4, front- and back-view of a stamen.
- 5, pollen-grains.
- 6, pistil.
- 7, lower portion of a fruit-valve with two seeds.
- 8, a seed separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.
All enlarged, but to various extent.



ALBIZZIA HENDERSONI.

F. v. M. in Trimen's Journal of Botany 10 (1872).

- 1, bracts.
- 2, flower-bud.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, front-, side- and back-view of a stamen.
- 6, pollen-grain.
- 7, pistil.
- 8, lower portion of a fruit-valve with seeds.
- 9, two seeds separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.



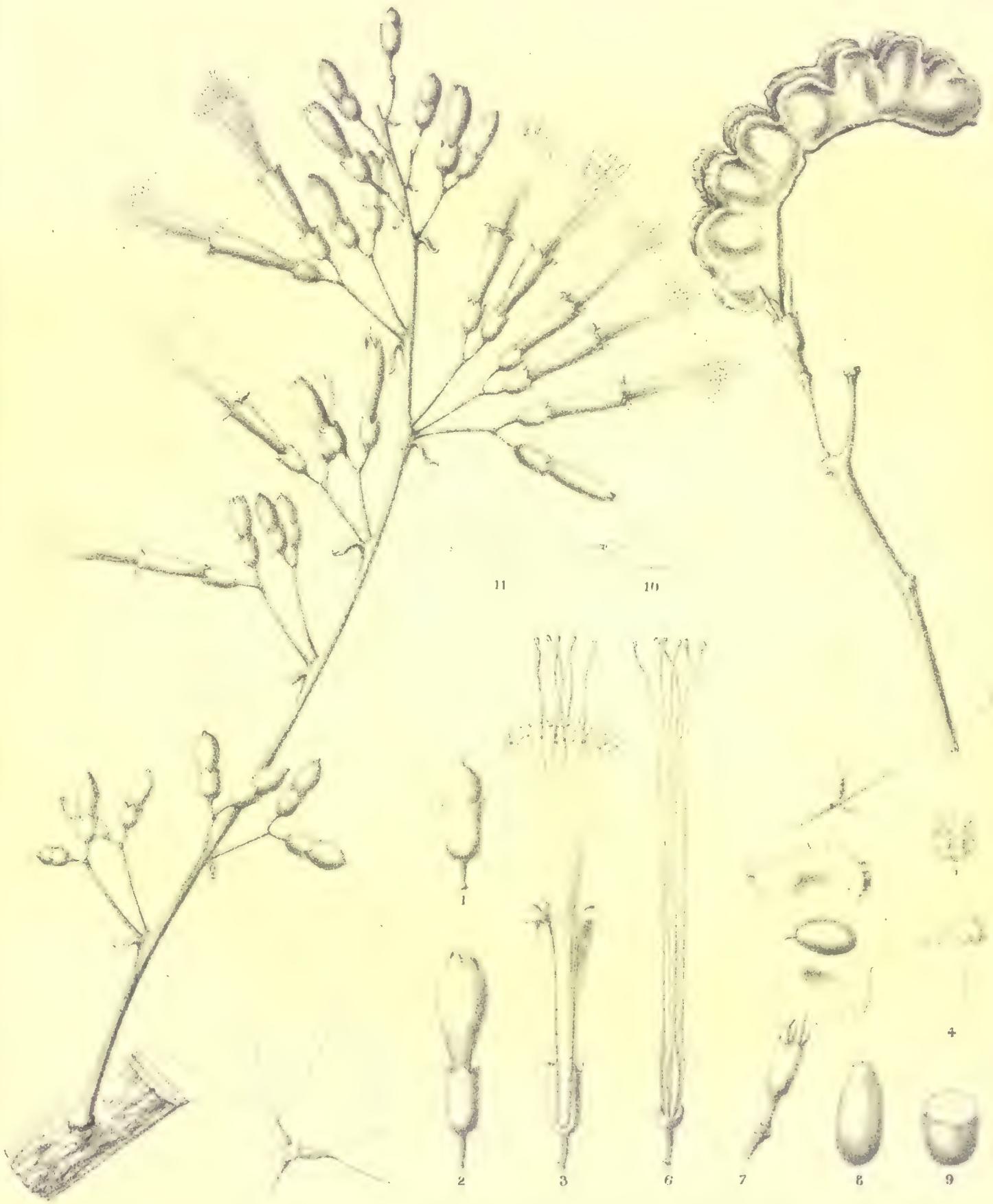


ALBIZZIA LUCYI.

F. v. M., Archidendron Lucyi, F. v. M. fragmenta phytographiae Australiae
vi. 201 (1868).

- 1, flower-bud.
- 2, unexpanded flower.
- 3, expanded flower, laid open.
- 4, front- and back-view of a stamen.
- 5, pollen-grain.
- 6, pistils.
- 7, lower portion of a fruit-valve with a seed.
- 8, a seed separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.





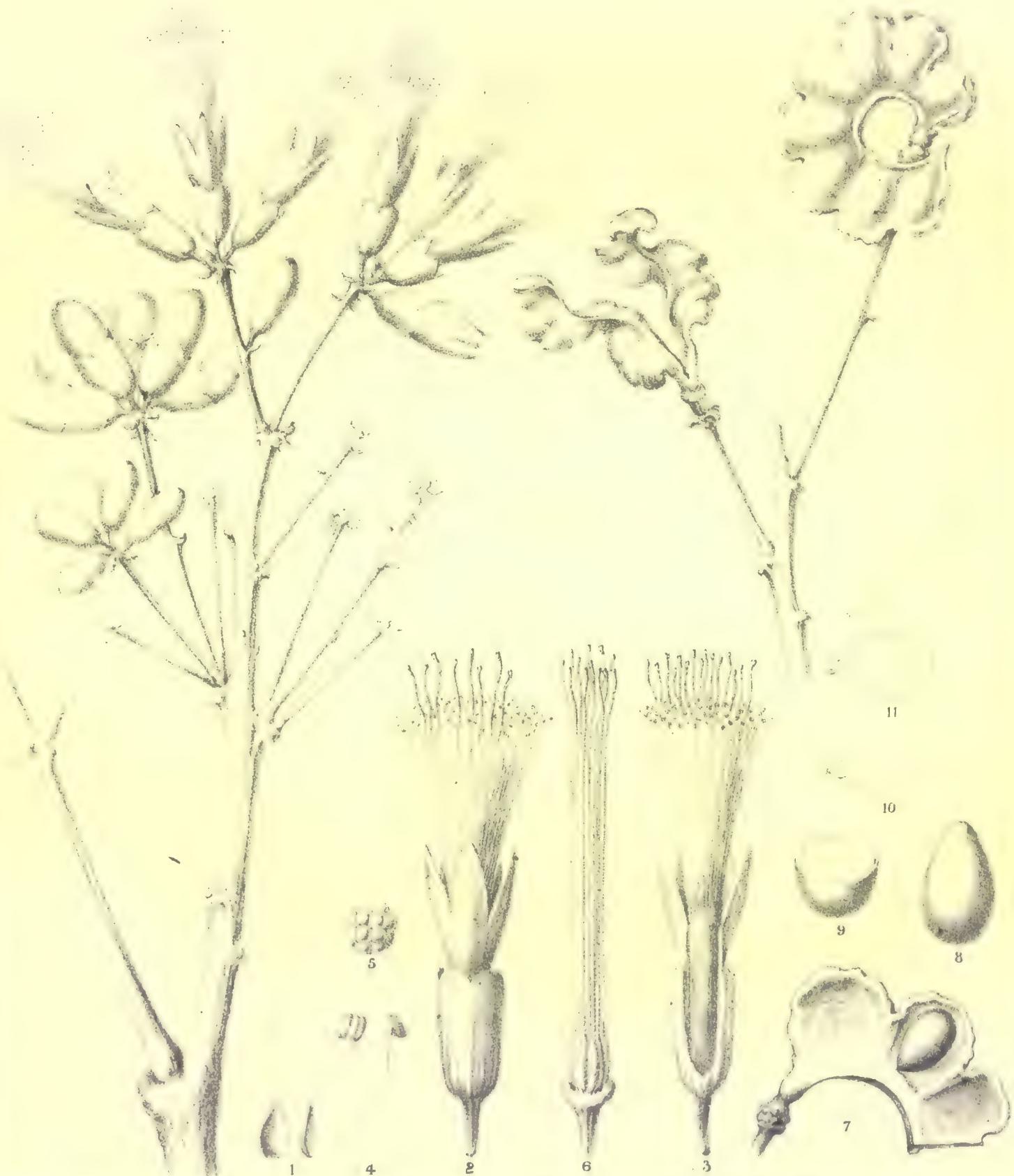


ALBIZZIA VAILLANTII.

F. v. M., Archidendron Vaillantii, F. v. M. fragmenta phytographiae Australiae
v. 60 (1865).

- 1, bracts.
- 2, expanded perfect flower.
- 3, expanded flower laid open, staminate only
- 4, front- and back-view of a stamen.
- 5, pollen-grain.
- 6, pistils.
- 7, lower portion of a fruit-valve with a seed.
- 8, a seed separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.







ADENANTHERA ABROSPERMA.

F. v. M. fragmenta phytographiae Australiae v. 30 (1865).

- 1, portion of a spike of unexpanded flowers.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, flower, laid open.
- 6, back- and front-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, two seeds separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





ERYTHROPHLAEUM LABOUCHERII.

F. v. M. in Bentham's Flora Australiensis ii. 297 (1864).

1, portion of a spike of unexpanded flowers.

2, bracts.

3, flower-bud.

4, unexpanded flower.

5, expanded flower, staminate only.

6, expanded perfect flower, laid open.

7, back-, front- and side-view of a stamen.

8, pollen-grains.

9, pistil.

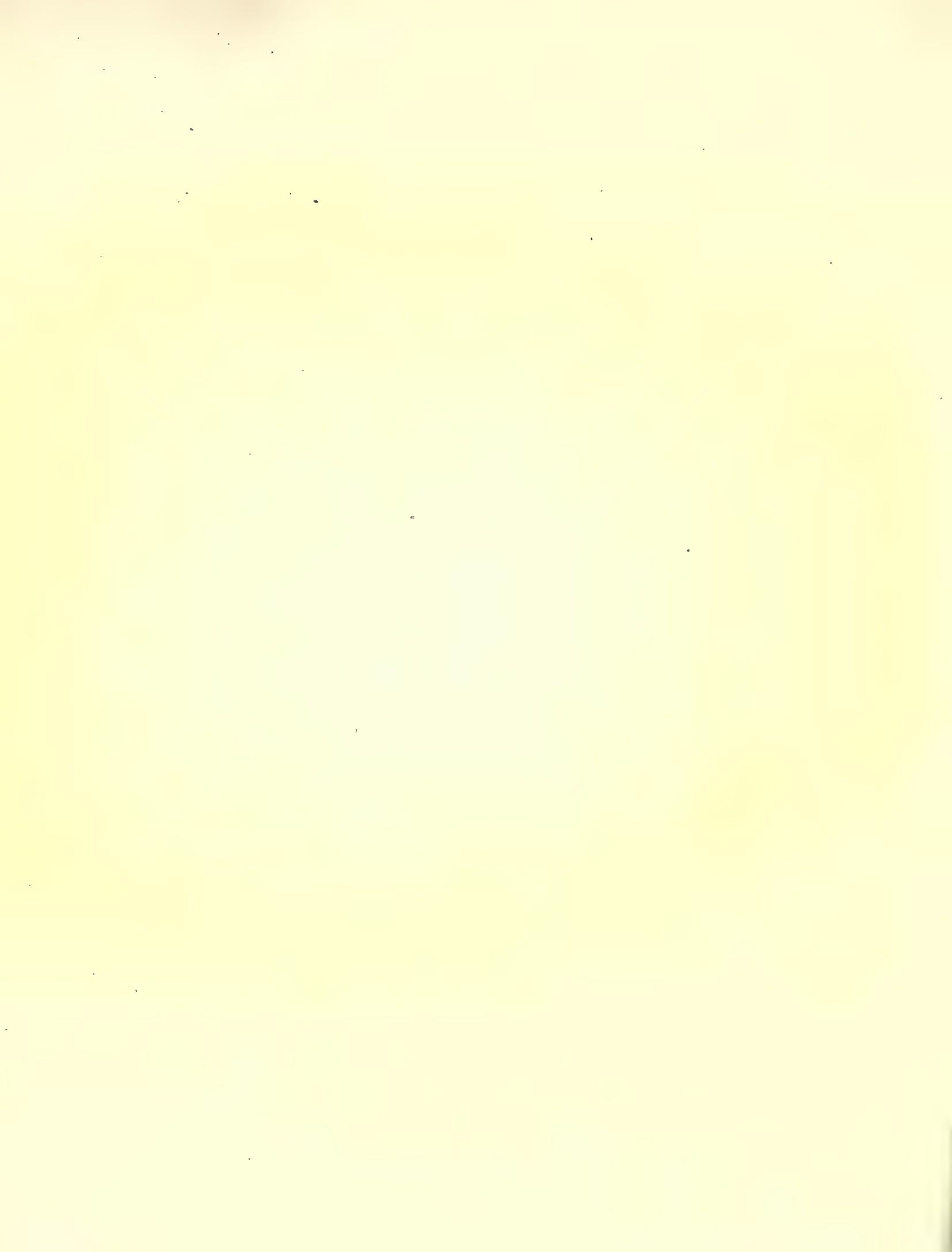
10, two seeds.

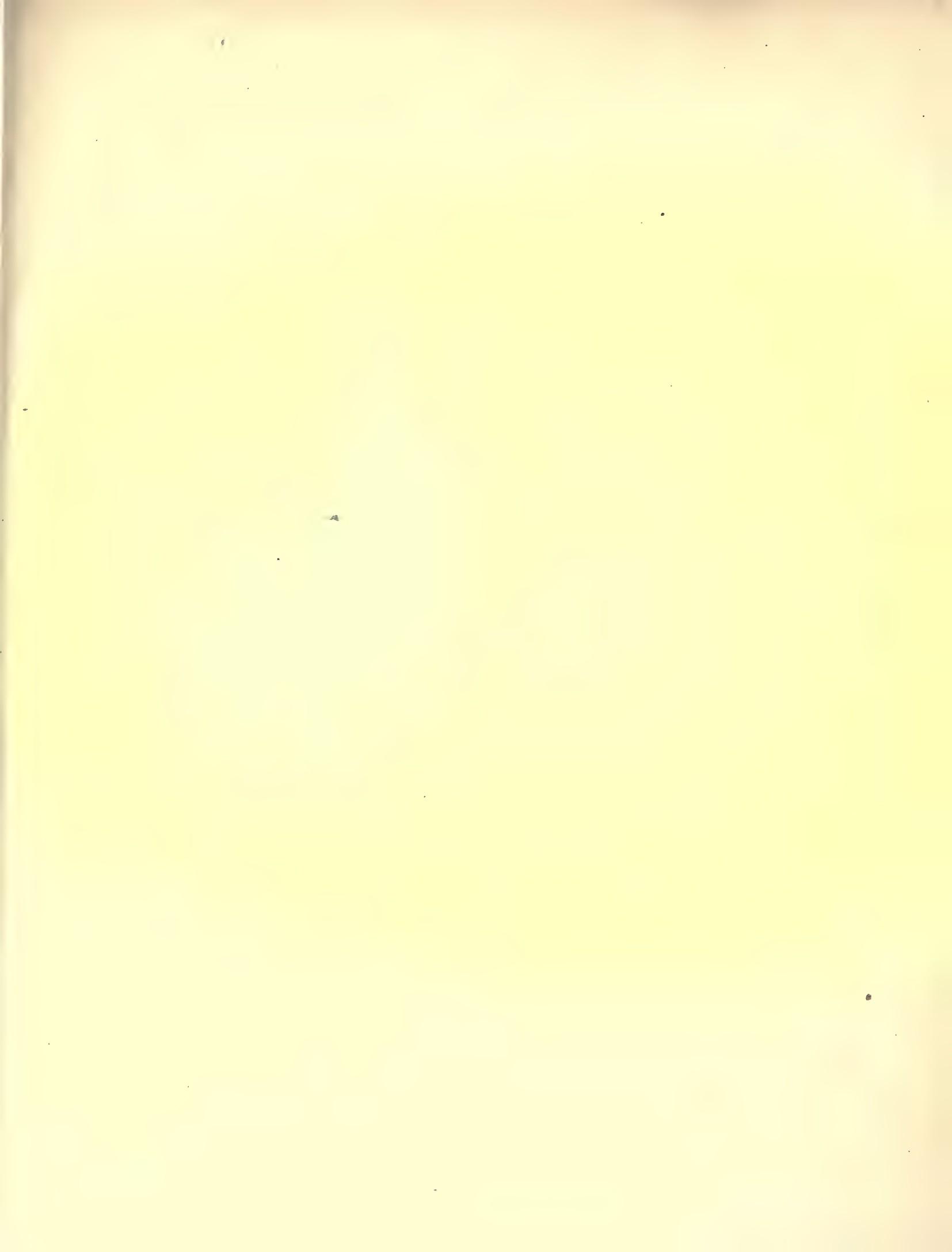
11, transverse section of a seed.

12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.





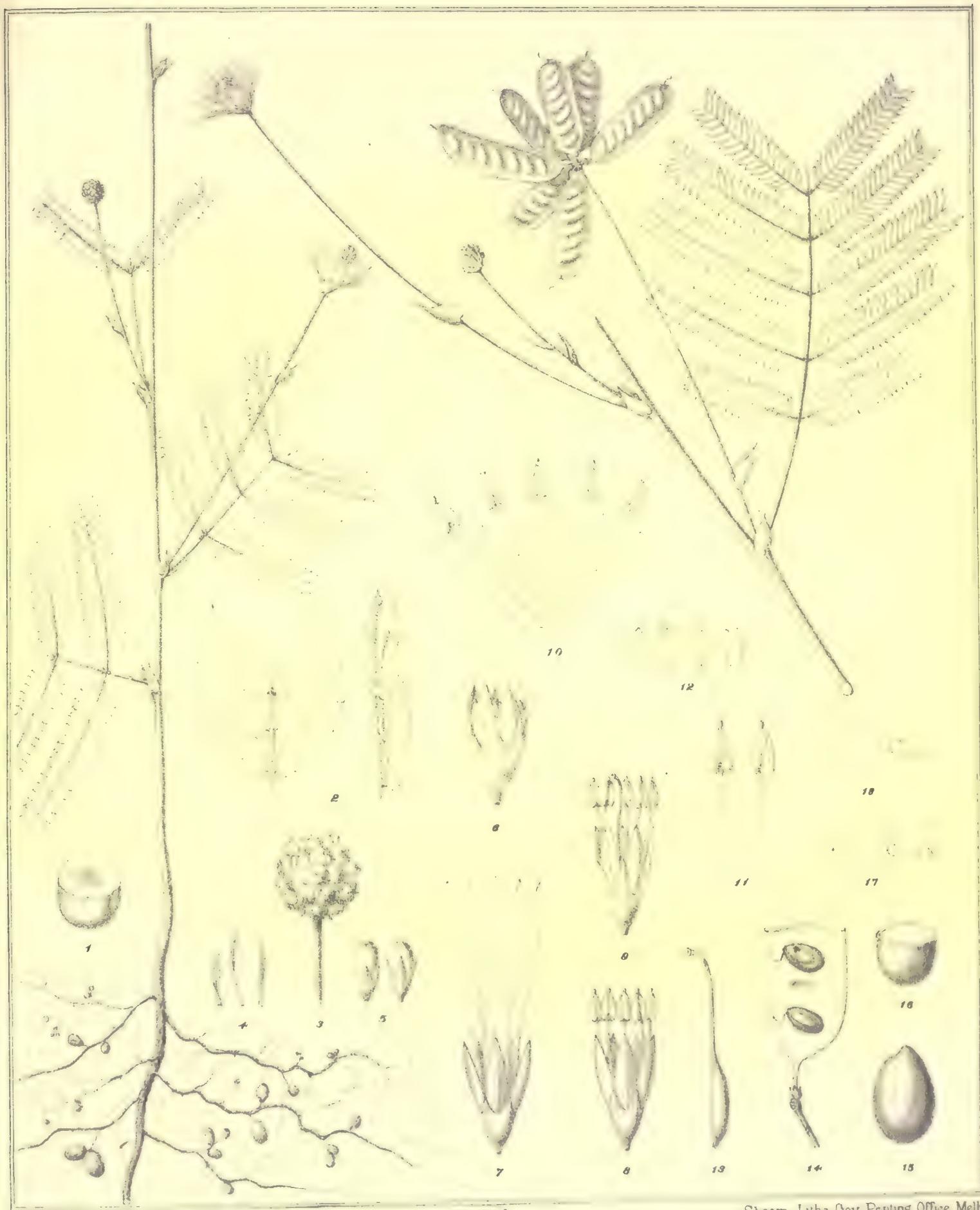


NEPTUNIA GRACILIS.

Bentham in Hooker's Journal of Botany iv. 355 (1842).

- 1, transverse section of a tuber.
- 2, portions of leaves.
- 3, head of unexpanded flowers.
- 4, bracts.
- 5, flower-buds.
- 6, unexpanded flower.
- 7, expanded sterile flower.
- 8, expanded fertile flower, staminate only.
- 9, expanded perfect flower.
- 10, staminate flower, laid open.
- 11, back- and front-view of a stamen.
- 12, pollen-grains.
- 13, pistil.
- 14, lower portion of fruit-valve with seeds.
- 15, a seed separated.
- 16, transverse section of a seed.
- 17 and 18, longitudinal sections of seeds.

All enlarged, but to various extent.



R. Graff del C Troedel & C° Lith

F v M direxit

Steam Litho Gov Printing Office Melb

Neptunia gracilis BENTHAM.

ICONOGRAPHY

OF

AUSTRALIAN SPECIES OF ACACIA

AND

COGNATE GENERA,

BY

BARON FERD. VON MUELLER, K.C.M.G., M. & PH.D., F.R.S.,

GOVERNMENT BOTANIST OF THE COLONY OF VICTORIA.

"SED GAUDEBITIS ET EXULTABITIS USQUE AD SEMPERIERNUM IN IIS, QUAE DEUS CREATABAT."—*Prophetia Isaiae*, IV. 18

DECADES I.—XII.

1887—1888.

BY AUTHORITY:

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1888.

TO

HIS EXCELLENCY

SIR HENRY BROUGHAM LOCH,

G.C.M.G., K.C.B.,

Governor of Victoria,

THIS VOLUME

ON A LARGE SYSTEMATIC ASSEMBLAGE OF PLANTS,

PARTICULARLY IMPORTANT FOR HORTICULTURE AND TECHNOLOGY,

AND

NUMERICALLY PREDOMINANT

IN

HER MAJESTY'S AUSTRALIAN DOMINIONS,

Is Dedicated

IN PROFOUNDEST OBEDIENCE.

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